SERVICE MANUAL

BRIDGEABLE
STEREO AMPLIFIER
MODEL : A50 x 2 / A50 x 4 / A100 x 2 / A100 x 4 / A150 x 2 / A250 x 2

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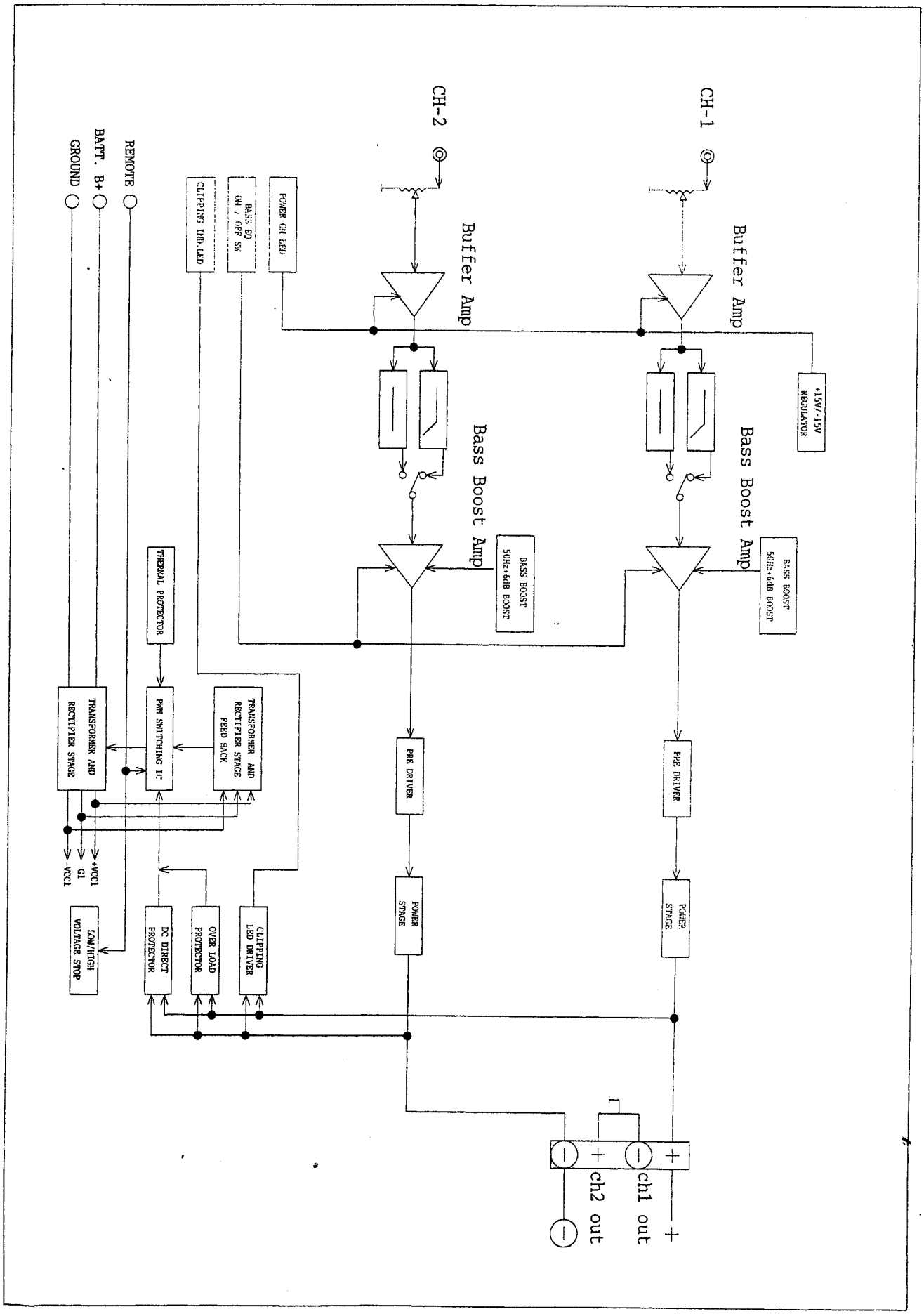
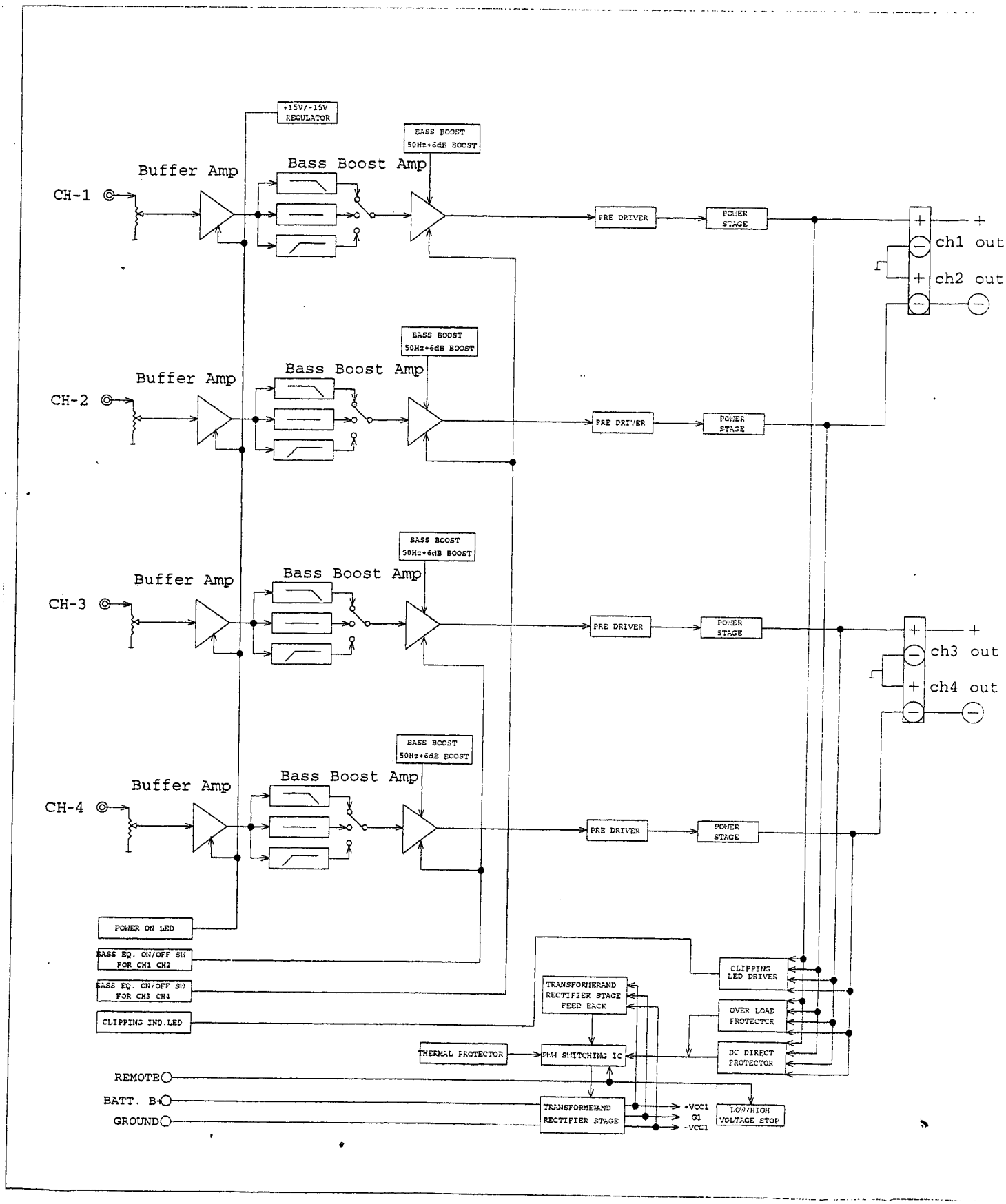
Sherwood®

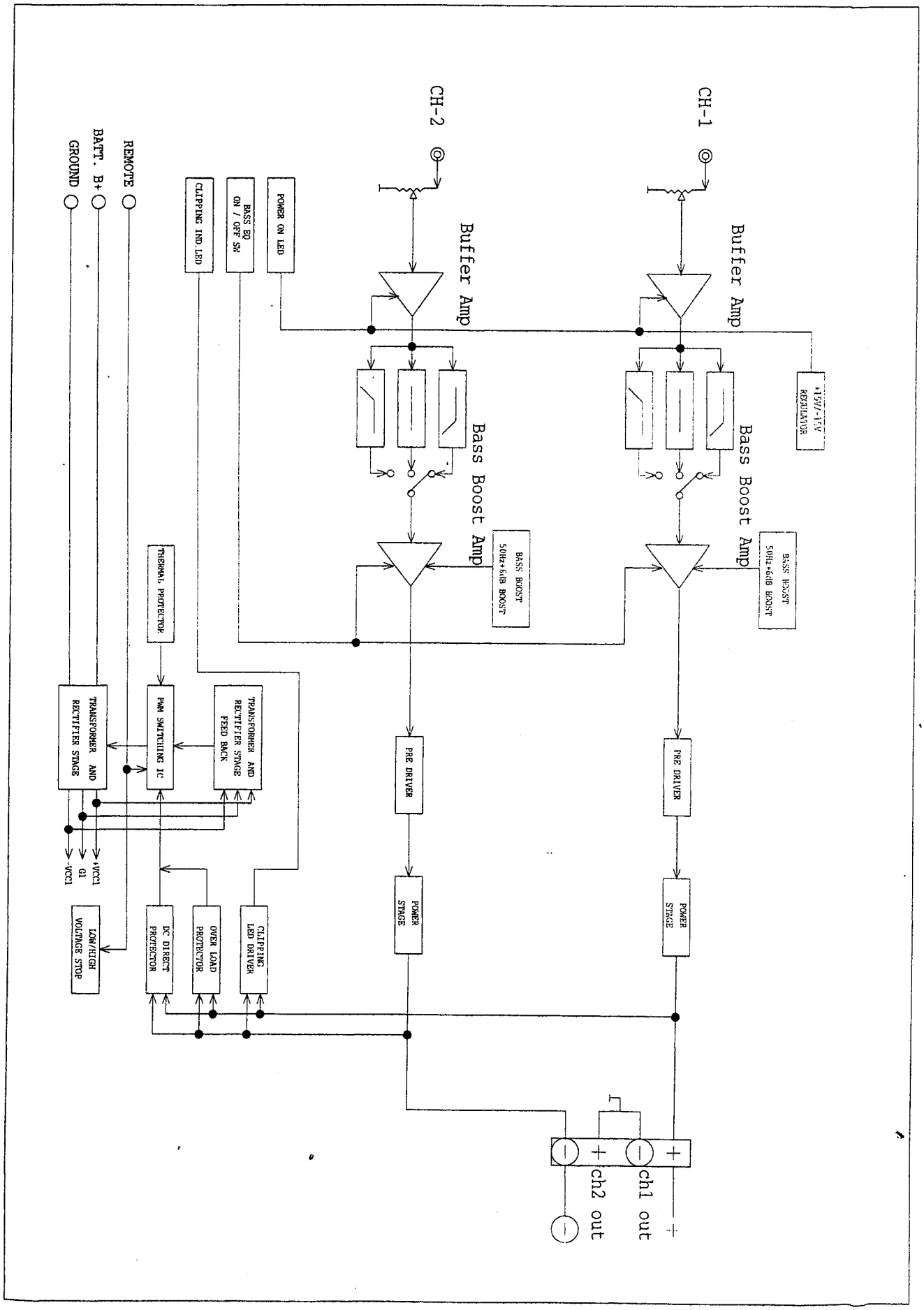
BLOCK DIAGRAM (For A50 x 2, A100 x 2, A150 x 2)



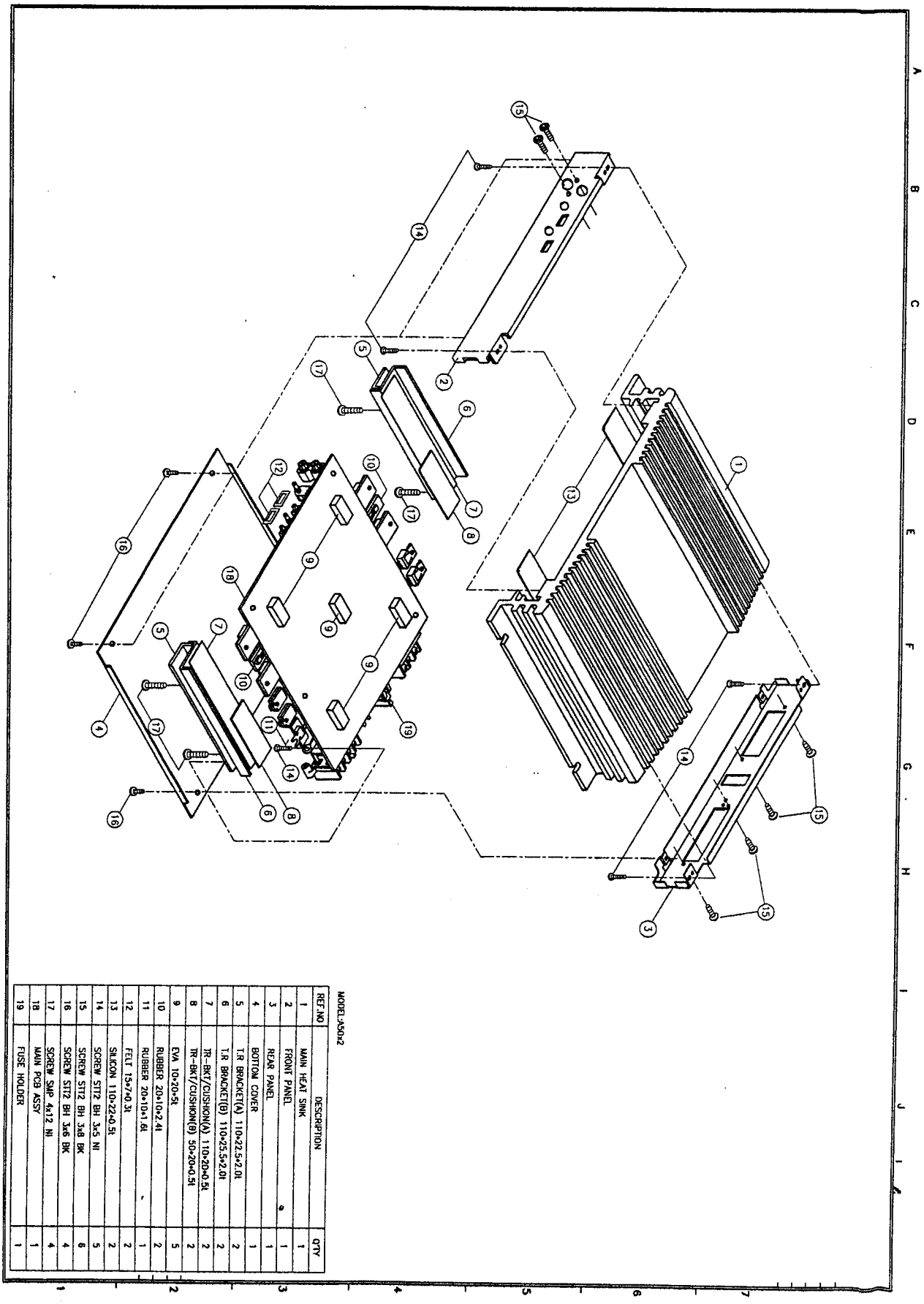
BLOCK DIAGRAM (For A50 x 4, A100 x 4)



BLOCK DIAGRAM (For A250 x 2)



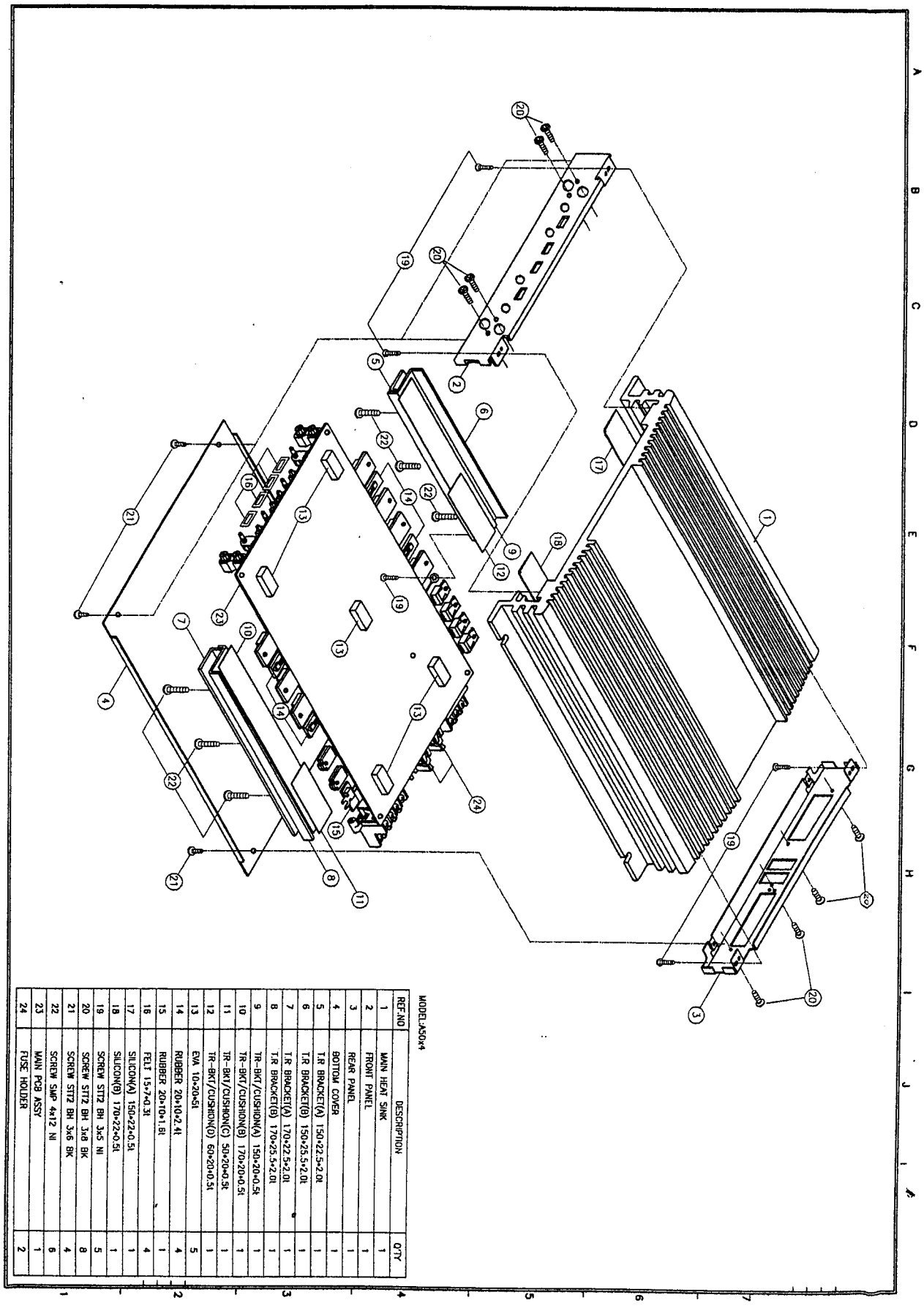
EXPLODED VIEW (For A50 x 2)



MODEL:A50x2

REF.NO	DESCRIPTION	Q'TY
1	MAIN HEAT SINK	1
2	FRONT PANEL	1
3	REAR PANEL	1
4	BOTTOM COVER	1
5	T.R BRACKET(A) 110×22.5×2.0t	2
6	T.R BRACKET(B) 110×25.5×2.0t	2
7	TR-BKT/CUSHION(A) 110×20×0.5t	2
8	TR-BKT/CUSHION(B) 50×20×0.5t	2
9	EVA 10×20×5t	5
10	RUBBER 20×10×2.4t	2
11	RUBBER 20×10×1.6t	1
12	FELT 15×7×0.3t	2
13	SILICON 110×22×0.5t	2
14	SCREW ST12 BH 3×5 NI	5
15	SCREW ST12 BH 3×8 BK	6
16	SCREW ST12 BH 3×6 BK	4
17	SCREW SMP 4×12 NI	4
18	MAIN PCB ASSY	1
19	FUSE HOLDER	1

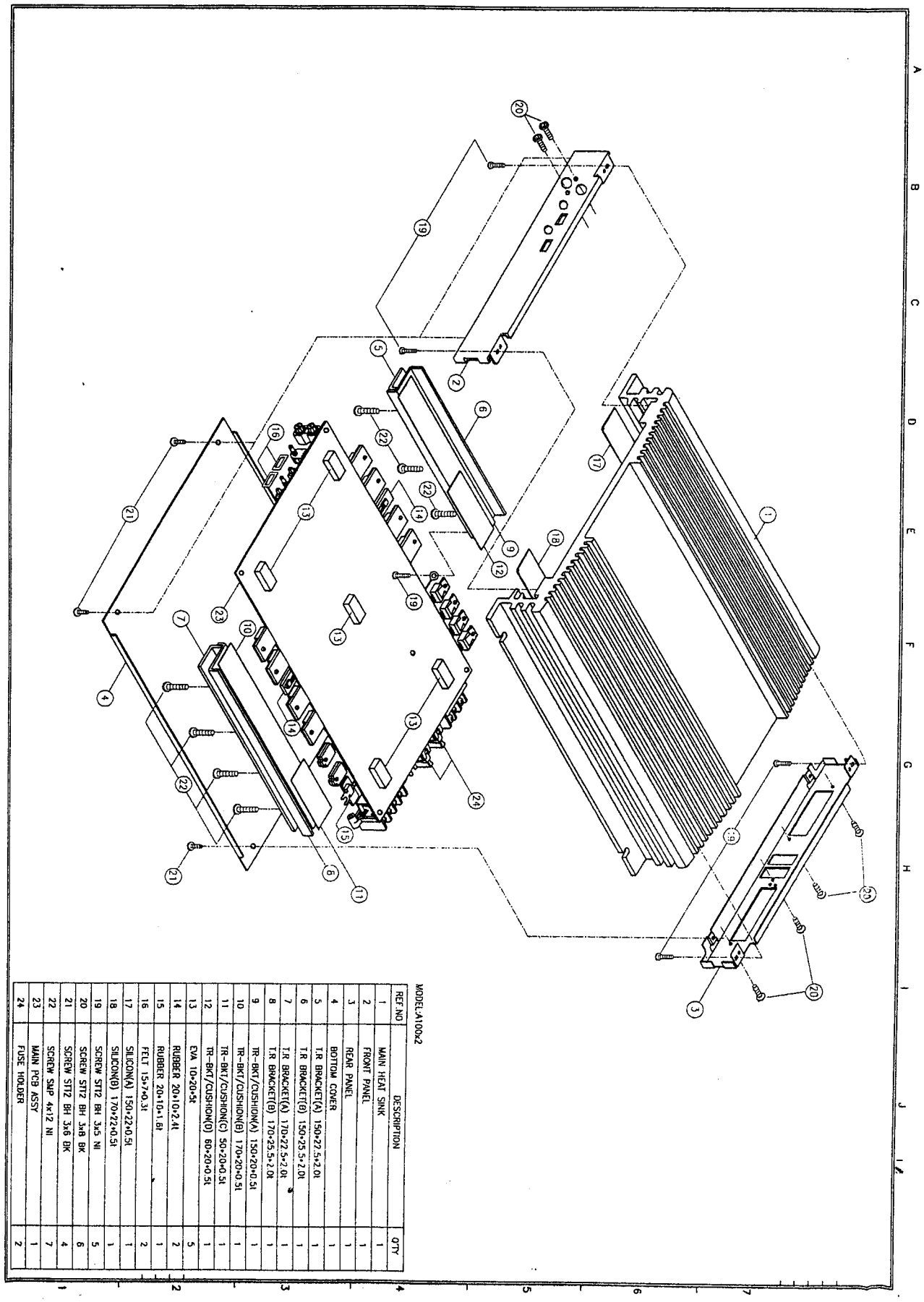
EXPLODED VIEW (For A50 x 4)



MODEL:A50x4

REF.NO	DESCRIPTION	Q'TY
1	MAIN HEAT SINK	1
2	FRONT PANEL	1
3	REAR PANEL	1
4	BOTTOM COVER	1
5	T.R BRACKET(A) 150×22.5×2.0t	1
6	T.R BRACKET(B) 150×25.5×2.0t	1
7	T.R BRACKET(A) 170×22.5×2.0t	1
8	T.R BRACKET(B) 170×25.5×2.0t	1
9	TR-BKT/CUSHION(A) 150×20×0.5t	1
10	TR-BKT/CUSHION(B) 170×20×0.5t	1
11	TR-BKT/CUSHION(C) 50×20×0.5t	1
12	TR-BKT/CUSHION(D) 60×20×0.5t	1
13	EVA 10×20×5t	5
14	RUBBER 20×10×2.4t	4
15	RUBBER 20×10×1.8t	1
16	FELT 15×7×0.3t	4
17	SILICON(A) 150×22×0.5t	1
18	SILICON(B) 170×22×0.5t	1
19	SCREW ST12 BH 3x5 NI	5
20	SCREW ST12 BH 3x8 BK	8
21	SCREW ST12 BH 3x6 BK	4
22	SCREW SMP 4x12 NI	6
23	MAIN PCB ASSY	1
24	FUSE HOLDER	1
		2

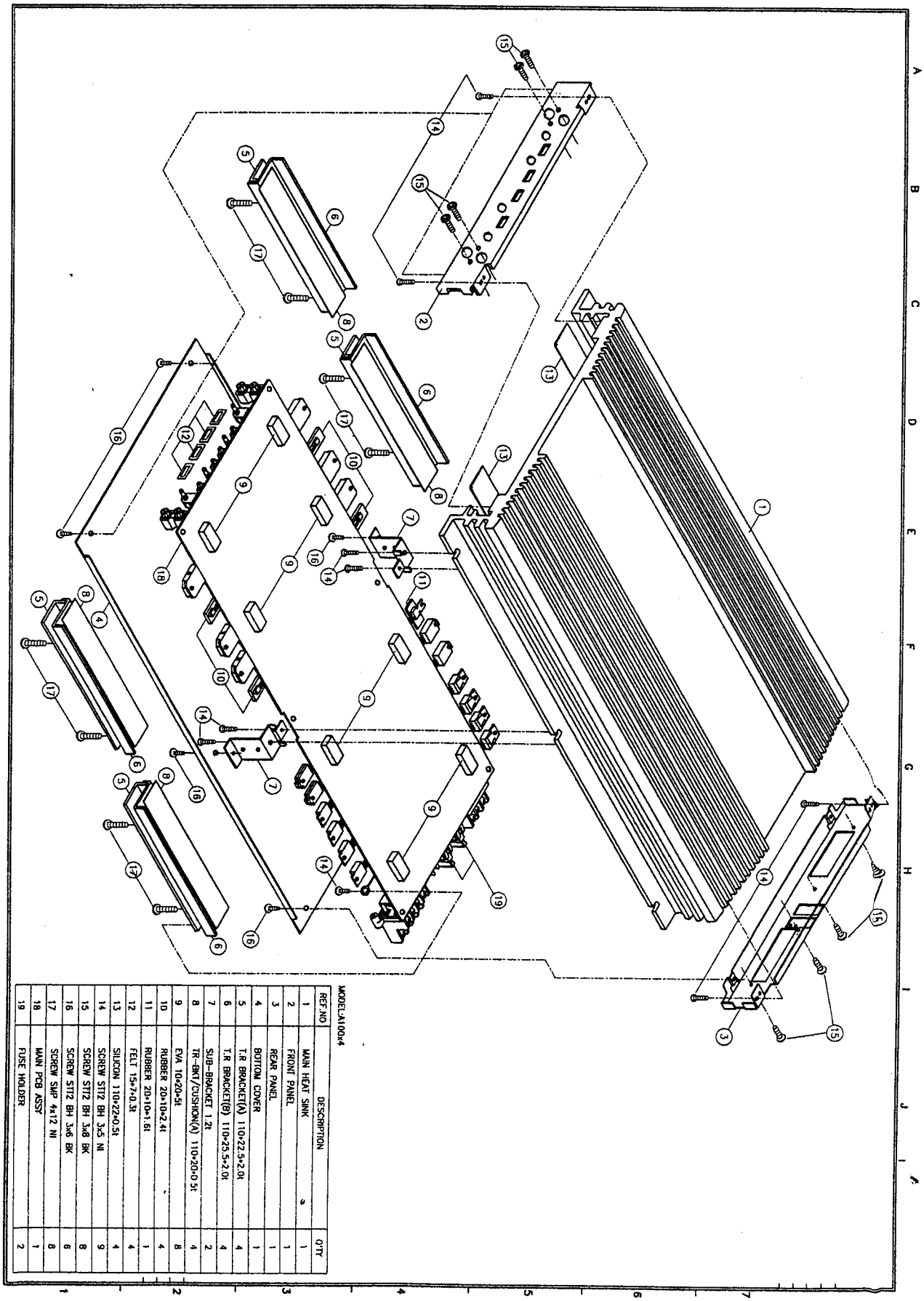
EXPLODED VIEW (For A100 x 2)



MODEL:A100x2

REF NO	DESCRIPTION	QTY
1	MAIN HEAT SINK	1
2	FRONT PANEL	1
3	REAR PANEL	1
4	BOTTOM COVER	1
5	T.R BRACKET(A) 150*22.5*2.0t	1
6	T.R BRACKET(B) 150*25.5*2.0t	1
7	T.R BRACKET(A) 170*22.5*2.0t	1
8	T.R BRACKET(B) 170*25.5*2.0t	1
9	TR-BKT/CUSHION(A) 150*20*0.5t	1
10	TR-BKT/CUSHION(B) 170*20*0.5t	1
11	TR-BKT/CUSHION(C) 50*20*0.3t	1
12	TR-BKT/CUSHION(D) 60*20*0.5t	1
13	EVA 10*20*5t	5
14	RUBBER 20*10*2.4t	2
15	RUBBER 20*10*1.8t	1
16	FELT 15*7*0.3t	2
17	SILICON(A) 150*22*0.5t	1
18	SILICON(B) 170*22*0.5t	1
19	SCREW ST12 BH 3x5 NI	5
20	SCREW ST12 BH 3x8 BK	6
21	SCREW ST12 BH 3x6 BK	4
22	SCREW SMP 4x12 NI	7
23	MAIN PCB ASSY	1
24	FUSE HOLDER	2

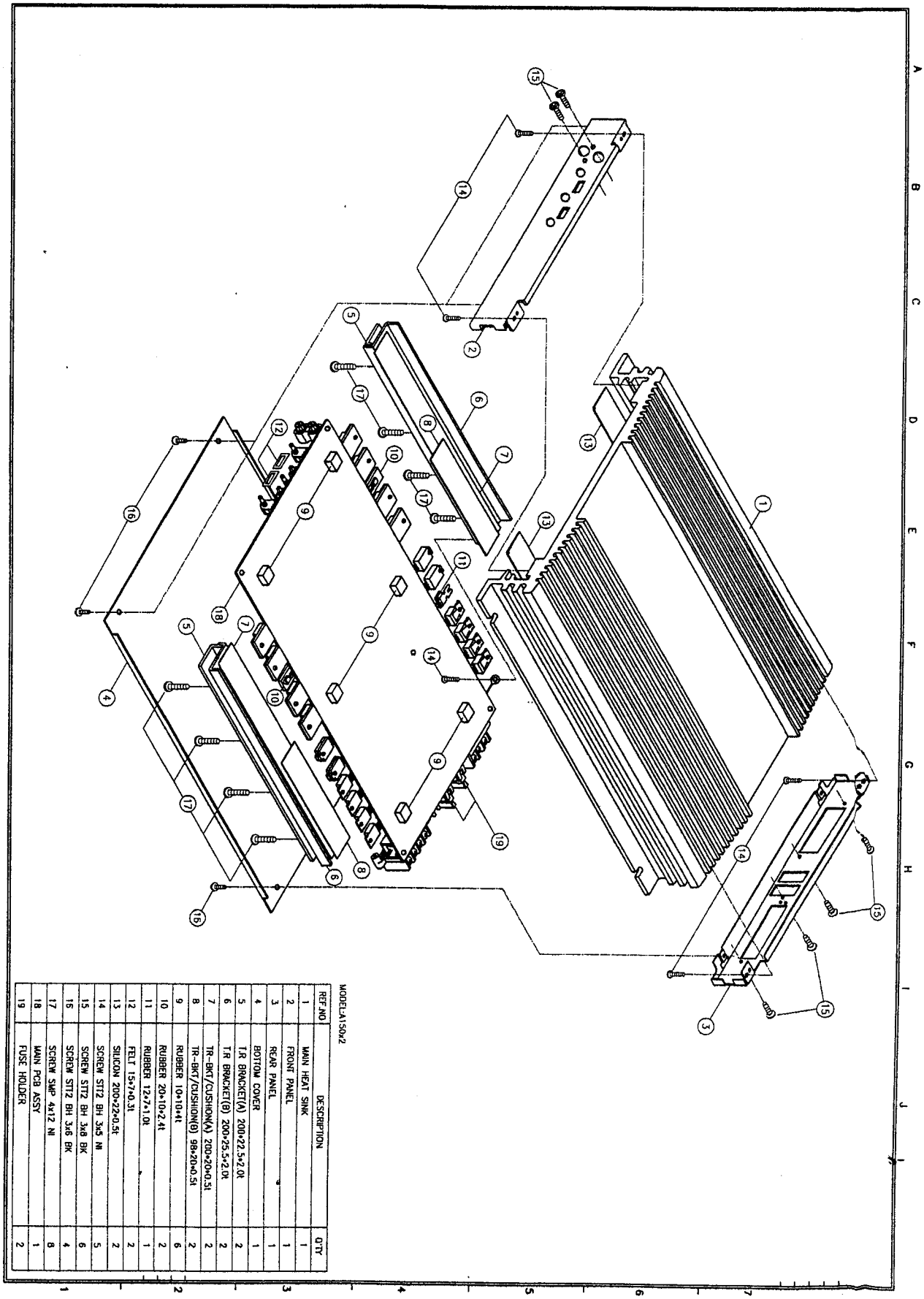
EXPLODED VIEW (For A100 x 4)



MODEL:A100x4

REF.NO	DESCRIPTION	QTY
1	MAIN HEAT SINK	1
2	FRONT PANEL	1
3	REAR PANEL	1
4	BOTTOM COVER	1
5	T.R BRACKET(A) 110×22.5×2.0t	4
6	T.R BRACKET(B) 110×25.5×2.0t	4
7	SUB-BRACKET 1.2t	2
8	TR-BKT/CUSHION(A) 110×20×0.5t	4
9	EVA 10×20×5t	8
10	RUBBER 20×10×2.4t	4
11	RUBBER 20×10×1.6t	1
12	FELT 15×7×0.3t	4
13	SILICON 110×22×0.5t	4
14	SCREW ST1.7 BH 3×5 NI	9
15	SCREW ST1.7 BH 3×8 BK	8
16	SCREW ST1.7 BH 3×6 BK	6
17	SCREW SMP 4×12 NI	8
18	MAIN PCB ASSY	1
19	FUSE HOLDER	2

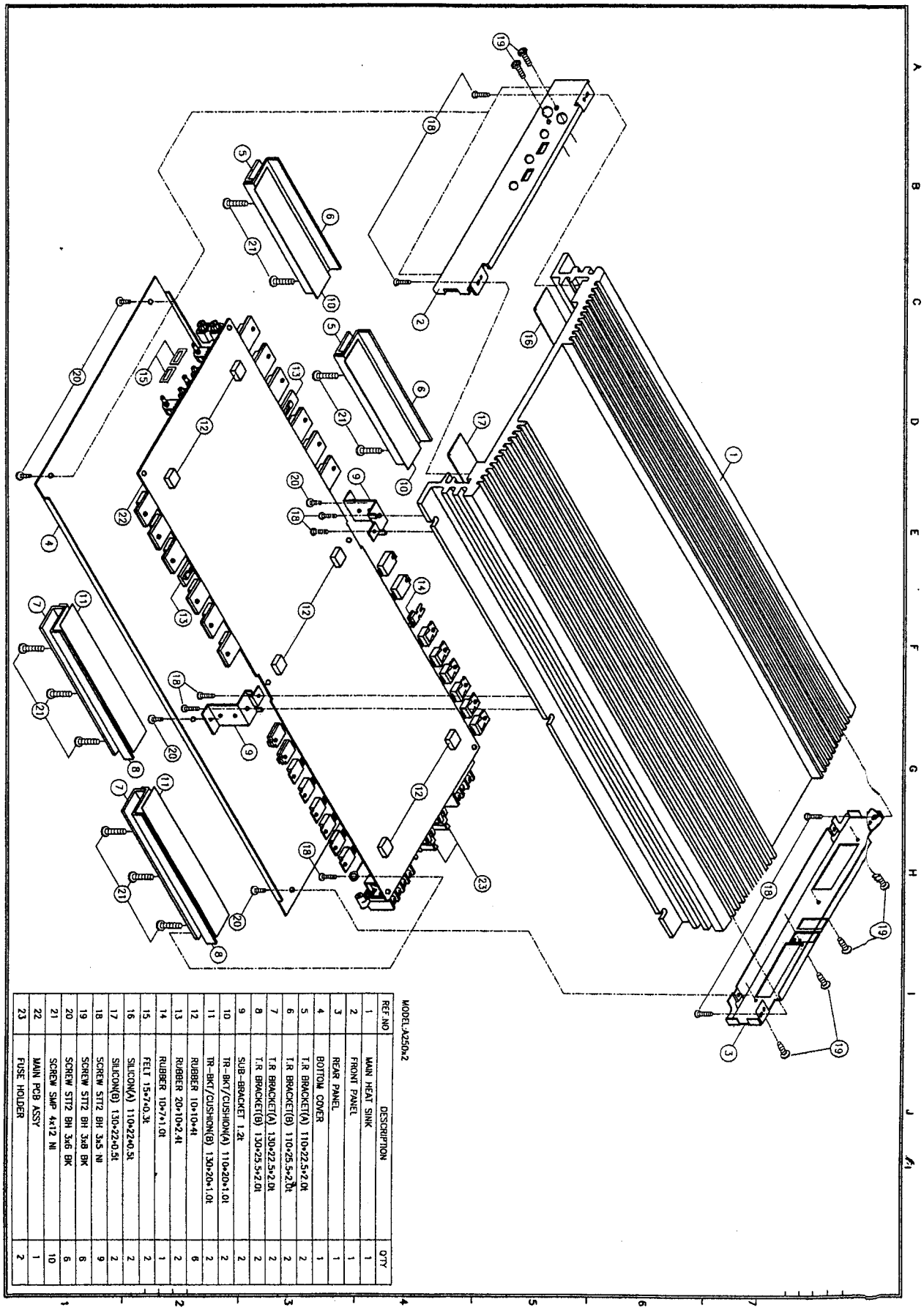
EXPLODED VIEW (For A150 x 2)



MODEL:A150x2

REF.NO	DESCRIPTION	Q'TY
1	MAIN HEAT SINK	1
2	FRONT PANEL	1
3	REAR PANEL	1
4	BOTTOM COVER	1
5	T.R BRACKET(A) 200*22.5*2.0t	2
6	T.R BRACKET(B) 200*25.5*2.0t	2
7	TR-BKT/CUSHION(A) 200*20*0.5t	2
8	TR-BKT/CUSHION(B) 98*20*0.5t	2
9	RUBBER 10*10*4t	6
10	RUBBER 20*10*2.4t	2
11	RUBBER 12*7*1.0t	1
12	FELT 15*7*0.3t	2
13	SILICON 200*22*0.5t	2
14	SCREW ST12 BH 3x5 MI	5
15	SCREW ST12 BH 3x8 BK	6
16	SCREW ST12 BH 3x6 BK	4
17	SCREW SMP 4x12 NI	8
18	MAIN PCB ASSY	1
19	FUSE HOLDER	2

EXPLODED VIEW (For A250 x 2)



MODEL:A250x2

REF.NO	DESCRIPTION	QTY
1	MAIN HEAT SINK	1
2	FRONT PANEL	1
3	REAR PANEL	1
4	BOTTOM COVER	1
5	T.R BRACKET(A) 110×22.5×2.0t	2
6	T.R BRACKET(B) 110×25.5×2.0t	2
7	T.R BRACKET(A) 130×22.5×2.0t	2
8	T.R BRACKET(B) 130×25.5×2.0t	2
9	SUB-BRACKET 1.2t	2
10	TR-BKT/CUSHION(A) 110×20×1.0t	2
11	TR-BKT/CUSHION(B) 130×20×1.0t	2
12	RUBBER 10×10×4t	6
13	RUBBER 20×10×2.4t	2
14	RUBBER 10×7×1.0t	1
15	FELT 15×7×0.3t	2
16	SILICON(A) 110×22×0.5t	2
17	SILICON(B) 130×22×0.5t	2
18	SCREW ST'2 BH 3x5 NI	9
19	SCREW ST'2 BH 3x8 BK	6
20	SCREW ST'2 BH 3x6 BK	6
21	SCREW SMP 4x12 NI	10
22	MAIN PCB ASSY	1
23	FUSE HOLDER	2

SHERWOOD MODEL : A50X2

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
1	P.C.B.	FR-4 DOUBLE LAYER	PAM103-02(159X167M/M)	
2	I.C	P.W.M.	KIA494P	2138013118
3	I.C	COMPARATOR	KIA393P	
4	I.C		NJM2058D	
5	TRANSISTOR	SMALL SIGNAL NPN	KTC3198GR	KTC3198GR
6	TRANSISTOR	SMALL SIGNAL NPN	KTC3198BL	KTC3198BL
7	TRANSISTOR	SMALL SIGNAL PNP	KTA1266GR	KTA1266GR
8	TRANSISTOR	SMALL SIGNAL PNP	KTA1268GR	2008206104
9	TRANSISTOR	SMALL SIGNAL PNP	KTA1023Y	A1023Y
10	TRANSISTOR	SMALL SIGNAL NPN	KTC1027Y	KTC1027Y
11	TRANSISTOR	AUDIO POWER PNP	KTB778	28778002
12	TRANSISTOR	AUDIO POWER NPN	KTD998	28998004
13	F.E.T.	N-CH POWER MOSFET	IRFZ44	2028802002
14	DIODE	SWITCHING SIGNAL	1N4148	2058306101
15	DIODE	RECTIFIER	1N4002	2058106100
16	DIODE	ZENER DIODE 1W	1N4744(15V)	1N4744
17	DIODE	FAST RECOVERY	FR154	FR154
18	DIODE	FAST RECOVERY	FR304	FR304
19	DIODE	FAST RECOVERY	ESAC25M-02D	C25M02D
20	LED	GREEN	KLG-124E	2308060301
21	LED	RED	KLR-124E	KLR124E
22	RESISTOR	CARBON FILM 1/5WJ	10 OHM	3069100970
23	RESISTOR	CARBON FILM 1/5WJ	47 OHM	3009470975
24	RESISTOR	CARBON FILM 1/5WJ	22 OHM	3009220977
25	RESISTOR	CARBON FILM 1/5WJ	100 OHM	3009101973
26	RESISTOR	CARBON FILM 1/5WJ	220 OHM	3069221970
27	RESISTOR	CARBON FILM 1/5WJ	390 OHM	3069391970
28	RESISTOR	CARBON FILM 1/5WJ	560 OHM	3069561970
29	RESISTOR	CARBON FILM 1/5WJ	820 OHM	3069821970
30	RESISTOR	CARBON FILM 1/5WJ	1K OHM	3069102970
31	RESISTOR	CARBON FILM 1/5WJ	1.2K OHM	3069122970
32	RESISTOR	CARBON FILM 1/5WJ	1.5K OHM	3069152970
33	RESISTOR	CARBON FILM 1/5WJ	2.7K OHM	3069272970
34	RESISTOR	CARBON FILM 1/5WJ	3.9K OHM	3009393975
35	RESISTOR	CARBON FILM 1/5WJ	4.7K OHM	3069472973
36	RESISTOR	CARBON FILM 1/5WJ	10K OHM	3009102973
37	RESISTOR	CARBON FILM 1/5WJ	12K OHM	3069123970
38	RESISTOR	CARBON FILM 1/5WJ	15K OHM	3069153970
39	RESISTOR	CARBON FILM 1/5WJ	22K OHM	3009223975
40	RESISTOR	CARBON FILM 1/5WJ	27K OHM	3009273975
41	RESISTOR	CARBON FILM 1/5WJ	33K OHM	3009333975
42	RESISTOR	CARBON FILM 1/5WJ	56K OHM	3009563975
43	RESISTOR	CARBON FILM 1/5WJ	100K OHM	3009104973
44	RESISTOR	CARBON FILM 1/5WJ	9.4K OHM	
45	RESISTOR	CARBON FILM 1/5WJ	15.2K OHM	
46	RESISTOR	CARBON FILM 1/5WJ	47K OHM	3009473973
47	RESISTOR	CARBON FILM 1/5WJ	91K OHM	3069913970

SHERWOOD MODEL : A 50X2

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
48	RESISTOR	CARBON FILM 1/5WJ	100K OHM	3009104973
49	RESISTOR	CARBON FILM 1/5WJ	9.4K OHM	
50	RESISTOR	CARBON FILM 1/5WJ	15.2K OHM	
51	RESISTOR	CARBON FILM 1/5WJ	47K OHM	3009473973
52	RESISTOR	CARBON FILM 1/5WJ	91K OHM	3069913970
53	RESISTOR	CARBON FILM 1/2WJ	4.7 OHM	5362479
54	RESISTOR	CARBON FILM 1/2WJ	3.3K OHM	3039332372
55	RESISTOR	METAL FILM 2WJ	100 OHM	3039101572
56	RESISTOR	METAL FILM 2WJ	680 OHM	3039681572
57	RESISTOR	WIRE WOUND 3WJ	0.1 OHM	
58	VOLUME	DUBBLE LAYER	V16L4 15KC-B20KOHMX2	CVRG120KX2
59	VOLUME	QUAD LAYER	V12L5 15KC-50KOHMX4	CVRGI50KX4
60	THERMISTOR	NTC RESISTOR	LUG50K	THER50K
61	CAPACITOR	CERAMIC DISC 50V NPO	10pF	3579100030
62	CAPACITOR	CERAMIC DISC 50V NPO	15pF	3579150130
63	CAPACITOR	CERAMIC DISC 50V NPO	47pF	3579470130
64	CAPACITOR	CERAMIC DISC 50V NPO	100pF	3579101130
65	CAPACITOR	CERAMIC DISK 50V	470pF	3579471130
66	CAPACITOR	CERAMIC DISK 50V	473pF	3509473530
67	CAPACITOR	CERAMIC DISK 50V	104pF	3509104512
68	CAPACITOR	CERAMIC DISK 50V	102pF	EUROPE ONLY
69	CAPACITOR	MYLAR 5% 50V	102J	3619102110
70	CAPACITOR	MYLAR 5% 50V	222J	3609222122
71	CAPACITOR	MYLAR 5% 50V	473J	3679473120
72	CAPACITOR	MYLAR 5% 50V	563J	3679563120
73	CAPACITOR	MYLAR 5% 50V	104J	3679104120
74	CAPACITOR	ELECTROLYTIC "RX"	220/25V	
75	CAPACITOR	ELECTROLYTIC "SMS"	1/50V	3479210971
76	CAPACITOR	ELECTROLYTIC "SMS"	2.2/50V	3479247971
77	CAPACITOR	ELECTROLYTIC "SMS"	4.7/50V	3479247971
78	CAPACITOR	ELECTROLYTIC "SMS"	10/16V	3409210031
79	CAPACITOR	ELECTROLYTIC "SMS"	10/25V	3409210041
80	CAPACITOR	ELECTROLYTIC "SMS"	22/16V	
81	CAPACITOR	ELECTROLYTIC "SMS"	47/16V	3409233041
82	CAPACITOR	ELECTROLYTIC "SMS"	100/16V	3409210131
83	CAPACITOR	ELECTROLYTIC "SMS"	470/16V	3409222131
84	CAPACITOR	ELECTROLYTIC "SMS"	470/50V	
85	CAPACITOR	ELECTROLYTIC "SMS"	1000/16V	3409210231
86	CAPACITOR	ELECTROLYTIC "SMS"	1000/50V	
87	CAPACITOR	ELECTROLYTIC "KME"	1000/50V	
88	AIR CORD		CL-200	
89	BAR CORE		CL-300	
90	DRUM CORE		CL-500	
91	RING CORE	TROID-36PHI (43615TC)	T01,02-7(1.0X2):18(1.2X1)	
92	SWITCH	SLIDE SWITCH	JSS-2219	JSS2219
93	SWITCH	SLIDE SWITCH	JSS-2319	JSS2319
94	R.C.A JACK	GOLD PLATED	KJB-582 (GOLD)	KJB582G

SHERWOOD MODEL : A50X2

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
95	FRONT PANEL	EGI 1.0T	SWD-FCH001-01	
96	REAR PANEL	EGI 1.0T	SWD-RCH001-01	
97	BOTTOM COVER	EGI 1.0T	SWD-BCH001-01	
98	TR-BRACKET	GI 110X20X2.0T	BKT 001-01	
99	RUBBER CUSHION(A)	RUBBER 10X10X4T	RCH 001-01	
100	RUBBER CUSHION(B)	RUBBER 20X10X2.4T	RCH 001-02	
101	SWITCH DECAL	FELT 15X7X0.3T	SDC 001-01	
102	PAPER SPACER (A)	PAD 15X8X0.5T		
103	PAPER SPACER (B)	PAD 10X6X0.5T		
104	SILICON PAD (A)	(SP1000SAC) 110X22X0.5T	SPD 001-01	
105	OPEN LUG(A)	2.5SQ		
106	OPEN LUG(B)	8.0SQ		
107	SCREW	STT2 BH 3X5 NI		
108	SCREW	STT2 BH 3X5 NI		
109	SCREW	STT3 BH 3X6 NI		
110	SCREW	STT2 BH 3X8 BK		
111	SCREW	STT3 BH 3X6 BK		
112	SCREW	SMP 4X12 NI		
113	SCREW	STT1 BH 4X20 BK		
114	INNER PAD	DW#2 (6.0T)	SWD-INP001-01	
115	INNER PAD	383X25		
116	INNER PAD	383X50		
117	GIFT BOX	SW#1 (1.5T)	SWD-GTB001-01	
118	CARTON BOX	DW#2 (6.0T)	SWD-CTB001-01	
119	POLY BAG (A)	VINYL 360X320X0.5T		
120	POLY BAG (B)	VINYL 160X280X0.5T		
121	POLY BAG (C)	VINYL 100X80X0.5T		
122	MANUAL			
123	MANUAL			
124	BAR CODE	BOTTOM		
125	BAR CODE	GIFT		
126	BAR CODE	CARTON		
127	STICKER	MADE IN KOREA		
128	SILICAGEL	3G		
129	BAR SOLDER			
130	WIRE SOLDER			
131	LOCK TIGHT			
132	SCOTCH TAPE			
133	OPP TAPE			

SHERWOOD MODEL : A50X4

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
1	P.C.B.	FR-4 DOUBLE LAYER	PAM104-02(159X257M/M)	
2	I.C	P.W.M.	KIA494P	2138013118
3	I.C	COMPARATOR	KIA393P	
4	I.C		NJM2058D	
5	TRANSISTOR	SMALL SIGNAL NPN	KTC3198GR	KTC3198GR
6	TRANSISTOR	SMALL SIGNAL NPN	KTC3198BL	KTC3198BL
7	TRANSISTOR	SMALL SIGNAL PNP	KTA1266GR	KTA1266GR
8	TRANSISTOR	SMALL SIGNAL PNP	KTA1268GR	2008206104
9	TRANSISTOR	SMALL SIGNAL NPN	KTC3200GR	2008606108
10	TRANSISTOR	SMALL SIGNAL PNP	KTA1023Y	A1023Y
11	TRANSISTOR	SMALL SIGNAL NPN	KTC1027Y	KTC1027Y
12	TRANSISTOR	AUDIO POWER PNP	KTB778	28778002
13	TRANSISTOR	AUDIO POWER NPN	KTD998	28998004
14	F.E.T.	N-CH POWER MOSFET	IRFZ44	2028802002
15	DIODE	SWITCHING SIGNAL	1N4148	2058306101
16	DIODE	RECTIFIER	1N4002	2058106100
17	DIODE	ZENER DIODE 1W	1N4744(15V)	1N4744
18	DIODE	FAST RECOVERY	FR154	FR154
19	DIODE	FAST RECOVERY	FR304	FR304
20	DIODE	FAST RECOVERY	ESAC25M-02D	C25M02D
21	LED	GREEN	KLG-124E	2308060301
22	LED	RED	KLR-124E	KLR124E
23	RESISTOR	CARBON FILM 1/5WJ	10 OHM	3069100970
24	RESISTOR	CARBON FILM 1/5WJ	47 OHM	3009470975
25	RESISTOR	CARBON FILM 1/5WJ	22 OHM	3009220977
26	RESISTOR	CARBON FILM 1/5WJ	100 OHM	3009101973
27	RESISTOR	CARBON FILM 1/5WJ	220 OHM	3069221970
28	RESISTOR	CARBON FILM 1/5WJ	390 OHM	3069391970
29	RESISTOR	CARBON FILM 1/5WJ	560 OHM	3069561970
30	RESISTOR	CARBON FILM 1/5WJ	1K OHM	3069102970
31	RESISTOR	CARBON FILM 1/5WJ	1.5K OHM	3069152970
32	RESISTOR	CARBON FILM 1/5WJ	2.7K OHM	3069272970
33	RESISTOR	CARBON FILM 1/5WJ	3.9K OHM	3009393975
34	RESISTOR	CARBON FILM 1/5WJ	4.7K OHM	3069472973
35	RESISTOR	CARBON FILM 1/5WJ	8.2K OHM	3069822970
36	RESISTOR	CARBON FILM 1/5WJ	10K OHM	3009102973
37	RESISTOR	CARBON FILM 1/5WJ	15K OHM	3069153970
38	RESISTOR	CARBON FILM 1/5WJ	22K OHM	3009223975
39	RESISTOR	CARBON FILM 1/5WJ	27K OHM	3009273975
40	RESISTOR	CARBON FILM 1/5WJ	33K OHM	3009333975
41	RESISTOR	CARBON FILM 1/5WJ	39K OHM	3009393975
42	RESISTOR	CARBON FILM 1/5WJ	56K OHM	3009563975
43	RESISTOR	CARBON FILM 1/5WJ	100K OHM	3009104973
44	RESISTOR	CARBON FILM 1/5WJ	9.4K OHM	
45	RESISTOR	CARBON FILM 1/5WJ	15.2K OHM	
46	RESISTOR	CARBON FILM 1/5WJ	47K OHM	3009473973
47	RESISTOR	CARBON FILM 1/5WJ	91K OHM	3069913970

SHERWOOD MODEL : A50X4

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
48	RESISTOR	CARBON FILM 1/2WJ	4.7 OHM	5362479
49	RESISTOR	CARBON FILM 1/2WJ	3.3K OHM	3039332372
50	RESISTOR	METAL FILM 2WJ	100 OHM	3039101572
51	RESISTOR	METAL FILM 2WJ	680 OHM	3039681572
52	RESISTOR	METAL FILM 2WJ	330 OHM	3039331572
53	RESISTOR	WIRE WOUND 3WJ	0.1 OHM	
54	VOLUME	DUBBLE LAYER	V16L4 15KC-B20KOHMX	CVRGI20KX2
55	VOLUME	QUAD LAYER	V12L5 15KC-50KOHMX4	CVRGI50KX4
56	THERMISTOR	NTC RESISTOR	LUG50K	THER50K
57	CAPACITOR	CERAMIC DISC 50V NPO	10pF	3519100935
58	CAPACITOR	CERAMIC DISC 50V NPO	22pF	3519200935
59	CAPACITOR	CERAMIC DISC 50V NPO	47pF	3519470935
60	CAPACITOR	CERAMIC DISC 50V NPO	100pF	3579101130
61	CAPACITOR	CERAMIC DISC 50V NPO	470pF	3579471130
62	CAPACITOR	CERAMIC DISC 50V	473pF	3509473530
63	CAPACITOR	CERAMIC DISC 50V	104pF	3509104512
64	CAPACITOR	MYLAR 5% 50V	102J	3619102110
65	CAPACITOR	MYLAR 5% 50V	222J	3609222122
66	CAPACITOR	MYLAR 5% 50V	473J	3679473120
67	CAPACITOR	MYLAR 5% 50V	563J	3679563120
68	CAPACITOR	MYLAR 5% 50V	104J	3679104120
69	CAPACITOR	ELECTROLYTIC "RX"	220/25V	
70	CAPACITOR	ELECTROLYTIC "SMS"	1/50V	3479210971
71	CAPACITOR	ELECTROLYTIC "SMS"	2.2/50V	3479247971
72	CAPACITOR	ELECTROLYTIC "SMS"	4.7/50V	3479247971
73	CAPACITOR	ELECTROLYTIC "SMS"	10/16V	3409210031
74	CAPACITOR	ELECTROLYTIC "SMS"	10/25V	3409210041
75	CAPACITOR	ELECTROLYTIC "SMS"	47/16V	3409233041
76	CAPACITOR	ELECTROLYTIC "SMS"	100/16V	3409210131
77	CAPACITOR	ELECTROLYTIC "KME"	1000/35V	
78	CAPACITOR	ELECTROLYTIC "SMS"	1000/16V	3409210231
79	CAPACITOR	ELECTROLYTIC "SMS"	1000/35V	3409210261
80	CAPACITOR	ELECTROLYTIC "SHL"	2200/35V	
81	AIR CORD		CL-200	
82	BAR CORE		CL-300	
83	DRUM CORE		CL-500	
84	RING CORE	TROID	36PHI(43615TC)	
85	SWITCH	SLIDE SWITCH	JSS2219	JSS2219
86	SWITCH	SLIDE SWITCH	JSS2319	JSS2319
87	R.C.A. JACK		KJB582(GOLD)	KJB582G
88	POWER TERM	GOLD PLATED	WT-9332 3P	
89	POWER TERM	GOLD PLATED	KAB-758 8P	
90	FUSE HOLDER		153320U	
91	AUTO FUSE		25A	5508724115
92	WIRE	AWG#22 BLACK, LUG(3PHI)	60M/M	
93	TEFLON TUBE	0.7PHI	15M/M	
94	TEFLON TUBE	0.7PHI	10M/M	

SHERWOOD MODEL : A50X4

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
95	WIRE	AWG#14 RED	80M/M	
96	HEAT SINK	AL/EXTRUDING 260.0M/M	SWD-HSA001-04	
97	FRONT PANEL	EGI 1.0T	SWD-FCH001-03	
98	REAR PANEL	EGI 1.0T	SWD-RCH001-02	
99	BOTTOM COVER	EGI 1.0T	SWD-BCH001-04	
100	TR-BRACKET(A)	GI 150X25X2.0T	BKT 001-01	
101	TR-BRACKET(B)	GI 170X25X2.0T	BKT 001-05	
102	TR-BKT/CUSHION(A)	PAD 150X20X1.0T	PCH 001-01	
103	TR-BKT/CUSHION(B)	PAD 170X20X1.0T	PCH 001-05	
104	TR-BKT/CUSHION(C)	PAD 110X20X1.0T	PCH 001-01	
105	RUBBER CUSHION(A)	RUBBER 10X10X4T	RCH 001-01	
106	RUBBER CUSHION(B)	RUBBER 20X10X2.4T	RCH 001-02	
107	RUBBER CHSHION(C)	RUBBER 10X7X1.0T	RCH 001-02	
108	SWITCH DECAL	FELT 15X7X0.3T	SDC 001-01	
109	PAPER SPACER (A)	PAD 15X8X0.5T		
110	PAPER SPACER (B)	PAD 10X6X0.5T		
111	SILICON PAD (A)	(SP1000SAC) 150X22X0.5T	SPD 001-01	
112	SILICON PAD (B)	(SP1000SAC) 170X22X0.5T	SPD 001-05	
113	OPEN LUG(A)	2.5SQ		
114	OPEN LUG(B)	8.0SQ		
115	SCREW	STT2 BH 3X5 NI		
116	SCREW	STT2 BH 3X5 NI		
117	SCREW	STT3 BH 3X6 NI		
118	SCREW	STT2 BH 3X8 BK		
119	SCREW	STT3 BH 3X6 BK		
120	SCREW	SMP 4X12 NI		
121	SCREW	STT1 BH 4X20 BK		
122	INNER PAD	DW#2 (6.0T)	SWD-INP001-01	
123	INNER PAD	383X25		
124	INNER PAD	383X50		
125	GIFT BOX	SW#1 (1.5T)	SWD-GTB001-01	
126	CARTON BOX	DW#2 (6.0T)	SWD-CTB001-01	
127	POLY BAG (A)	VINYL 410X360X0.5T		
128	POLY BAG (B)	VINYL 160X280X0.5T		
129	POLY BAG (C)	VINYL 100X80X0.5T		
130	MANUAL			
131	MANUAL			
132	BAR CODE	BOTTOM		
133	BAR CODE	GIFT		
134	BAR CODE	CARTON		
135	STICKER	MADE IN KOREA		
136	SILICAGEL	3G		
137	BAR SOLDER			
138	WIRE SOLDER			
139	LOCK TIGHT			
140	SCOTCH TAPE			
141	OPP TAPE			

SHERWOOD MODEL : A100X2

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
1	P.C.B.	FR-4 DOUBLE LAYER	PAM105-02(159X257M/M)	
2	I.C	P.W.M.	KIA494P	2138013118
3	I.C	COMPARATOR	KIA393P	
4	I.C	DUAL OP AMP	KIA4559P	2168206104
5	TRANSISTOR	SMALL SIGNAL NPN	KTC3198GR	KTC3198GR
6	TRANSISTOR	SMALL SIGNAL NPN	KTC3198BL	KTC3198BL
7	TRANSISTOR	SMALL SIGNAL PNP	KTA1266GR	KTA1266GR
8	TRANSISTOR	SMALL SIGNAL PNP	KTA1268GR	2008206104
9	TRANSISTOR	SMALL SIGNAL NPN	KTC3200GR	2008606108
10	TRANSISTOR	SMALL SIGNAL PNP	KTA1023Y	A1023Y
11	TRANSISTOR	SMALL SIGNAL NPN	KTC1027Y	KTC1027Y
12	TRANSISTOR	AUDIO POWER PNP	KTB778	28778002
13	TRANSISTOR	AUDIO POWER NPN	KTD998	28998004
14	F.E.T.	N-CH POWER MOSFET	IRFZ44	2028802002
15	DIODE	SWITCHING SIGNAL	1N4148	2058306101
16	DIODE	RECTIFIER	1N4002	2058106100
17	DIODE	ZENER DIODE 1W	1N4744(15V)	1N4744
18	DIODE	FAST RECOVERY	FR154	FR154
19	DIODE	FAST RECOVERY	FR304	FR304
20	DIODE	FAST RECOVERY	ESAC25M-02D	C25M02D
21	LED	GREEN	KLG-124E	2308060301
22	LED	RED	KLR-124E	KLR124E
23	RESISTOR	CARBON FILM 1/5WJ	10 OHM	3069100970
24	RESISTOR	CARBON FILM 1/5WJ	47 OHM	3009470975
25	RESISTOR	CARBON FILM 1/5WJ	22 OHM	3009220977
26	RESISTOR	CARBON FILM 1/5WJ	100 OHM	3009101973
27	RESISTOR	CARBON FILM 1/5WJ	150 OHM	3069151970
28	RESISTOR	CARBON FILM 1/5WJ	220 OHM	3069221970
29	RESISTOR	CARBON FILM 1/5WJ	390 OHM	3069391970
30	RESISTOR	CARBON FILM 1/5WJ	560 OHM	3069561970
31	RESISTOR	CARBON FILM 1/5WJ	820 OHM	3069821970
32	RESISTOR	CARBON FILM 1/5WJ	1K OHM	3069102970
33	RESISTOR	CARBON FILM 1/5WJ	1.5K OHM	3069152970
34	RESISTOR	CARBON FILM 1/5WJ	2.7K OHM	3069272970
35	RESISTOR	CARBON FILM 1/5WJ	3.9K OHM	3009393975
36	RESISTOR	CARBON FILM 1/5WJ	4.7K OHM	3069472973
37	RESISTOR	CARBON FILM 1/5WJ	5.6K OHM	3009562973
38	RESISTOR	CARBON FILM 1/5WJ	10K OHM	3009102973
39	RESISTOR	CARBON FILM 1/5WJ	15K OHM	3069153970
40	RESISTOR	CARBON FILM 1/5WJ	22K OHM	3009223975
41	RESISTOR	CARBON FILM 1/5WJ	27K OHM	3009273975
42	RESISTOR	CARBON FILM 1/5WJ	33K OHM	3009333975
43	RESISTOR	CARBON FILM 1/5WJ	47K OHM	3009473973
44	RESISTOR	CARBON FILM 1/5WJ	56K OHM	3009563975
45	RESISTOR	CARBON FILM 1/5WJ	100K OHM	3009104973
46	RESISTOR	CARBON FILM 1/2WJ	4.7 OHM	5362478
47	RESISTOR	CARBON FILM 1/2WJ	3.3K OHM	30393323 72

SHERWOOD MODEL : A100X2

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
48	RESISTOR	METAL FILM 2WJ	100 OHM	3039101572
49	RESISTOR	METAL FILM 2WJ	680 OHM	3039681572
50	RESISTOR	METAL FILM 2WJ	470 OHM	3029471572
51	RESISTOR	WIRE WOUND 3WJ	0.1 OHM	
52	VOLUME	DUBBLE LAYER	V16L4 15KC-B20KOHMX	CVRGI20KX2
53	VOLUME	QUAD LAYER	V12L5 15KC-50KOHMX4	CVRGI50KX4
54	THERMISTOR	NTC RESISTOR	LUG50K	THER50K
55	CAPACITOR	CERAMIC DISC 50V NPO	33pF	3529330210
56	CAPACITOR	CERAMIC DISC 50V NPO	68pF	3579680130
57	CAPACITOR	CERAMIC DISC 50V NPO	100pF	3579101130
58	CAPACITOR	CERAMIC DISC 50V NPO	150pF	3579151130
59	CAPACITOR	CERAMIC DISC 50V NPO	470pF	3579471130
60	CAPACITOR	CERAMIC DISC 50V	473pF	3509473530
61	CAPACITOR	CERAMIC DISC 50V	104pF	3509104512
62	CAPACITOR	MYLAR 5% 50V	102J	3619102110
63	CAPACITOR	MYLAR 5% 50V	222J	3609222122
64	CAPACITOR	MYLAR 5% 50V	473J	3679473120
65	CAPACITOR	MYLAR 5% 50V	683J	3679683120
66	CAPACITOR	MYLAR 5% 50V	104J	3679104120
67	CAPACITOR	ELECTROLYTIC "RX"	220/25V	
68	CAPACITOR	ELECTROLYTIC "SMS"	1/50V	3479210971
69	CAPACITOR	ELECTROLYTIC "SMS"	2.2/50V	3479247971
70	CAPACITOR	ELECTROLYTIC "SMS"	4.7/50V	3479247971
71	CAPACITOR	ELECTROLYTIC "SMS"	10/16V	3409210031
72	CAPACITOR	ELECTROLYTIC "SMS"	10/25V	3409210041
73	CAPACITOR	ELECTROLYTIC "SMS"	22/16V	
74	CAPACITOR	ELECTROLYTIC "SMS"	47/16V	3409233041
75	CAPACITOR	ELECTROLYTIC "SMS"	100/16V	34092101 31
76	CAPACITOR	ELECTROLYTIC "SMS"	470/16V	34092221 31
77	CAPACITOR	ELECTROLYTIC "SMS"	470/50V	
78	CAPACITOR	ELECTROLYTIC "SMS"	1000/16V	3409210231
79	CAPACITOR	ELECTROLYTIC "SMS"	1000/50V	
80	CAPACITOR	ELECTROLYTIC "KME"	1000/50V	
81	AIR CORD		CL-200	
82	BAR CORE		CL-300	
83	DRUM CORE		CL-500	
84	RING CORE	TROID	36PHI(43615TC)	
85	SWITCH	SLIDE SWITCH	JSS2219	JSS2219
86	R.C.A. JACK		KJB582(GOLD)	KJB582G
87	POWER TERM	GOLD PLATED	WT-9332 3P	
88	POWER TERM	GOLD PLATED	KAB-654A 4P	
89	FUSE HOLDER		153320U	
90	AUTO FUSE		20A	5508224015
91	WIRE	AWG#22 BLACK, LUG(3PHI)	60M/M	
92	TEFLON TUBE	0.7PHI	15M/M	
93	TEFLON TUBE	0.7PHI	10M/M	
94	WIRE	AWG#14 RED	80M/M	

SHERWOOD MODEL : A100X2

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
95	HEAT SINK	AL/EXTRUDING 260.0M/M	SWD-HSA001-02	
96	FRONT PANEL	EGI 1.0T	SWD-FCH001-01	
97	REAR PANEL	EGI 1.0T	SWD-RCH001-02	
98	BOTTOM COVER	EGI 1.0T	SWD-BCH001-02	
99	TR-BRACKET(A)	GI 150X25X2.0T	BKT 001-03	
100	TR-BRACKET(B)	GI 170X25X2.0T	BKT 001-05	
101	TR-BKT/CUSHION(A)	PAD 150X20X1.0T	PCH 001-01	
102	TR-BKT/CUSHION(B)	PAD 170X20X1.0T	PCH 001-05	
103	TR-BKT/CUSHION(C)	PAD 110X20X1.0T	PCH 001-01	
104	RUBBER CUSHION(A)	RUBBER 10X10X4T	RCH 001-01	
105	RUBBER CUSHION(B)	RUBBER 20X10X2.4T	RCH 001-02	
106	RUBBER CHSHION(C)	RUBBER 10X7X1.0T	RCH 001-02	
107	SWITCH DECAL	FELT 15X7X0.3T	SDC 001-01	
108	PAPER SPACER (A)	PAD 15X8X0.5T		
109	PAPER SPACER (B)	PAD 10X6X0.5T		
110	SILICON PAD (A)	(SP1000SAC) 150X22X0.5T	SPD 001-01	
111	SILICON PAD (B)	(SP1000SAC) 170X22X0.5T	SPD 001-05	
112	OPEN LUG(A)	2.5SQ		
113	OPEN LUG(B)	8.0SQ		
114	SCREW	STT2 BH 3X5 NI		
115	SCREW	STT2 BH 3X5 NI		
116	SCREW	STT3 BH 3X6 NI		
117	SCREW	STT2 BH 3X8 BK		
118	SCREW	STT3 BH 3X6 BK		
119	SCREW	SMP 4X12 NI		
120	SCREW	STT1 BH 4X20 BK		
121	INNER PAD	DW#2 (6.0T)	SWD-INP001-03	
122	INNER PAD	383X25		
123	INNER PAD	383X50		
124	GIFT BOX	SW#1 (1.5T)	SWD-GTB001-01	
125	CARTON BOX	DW#2 (6.0T)	SWD-CTB001-01	
126	POLY BAG (A)	VINYL 410X360X0.5T		
127	POLY BAG (B)	VINYL 160X280X0.5T		
128	POLY BAG (C)	VINYL 100X80X0.5T		
129	MANUAL			
130	MANUAL			
131	BAR CODE	BOTTOM		
132	BAR CODE	GIFT		
133	BAR CODE	CARTON		
134	STICKER	MADE IN KOREA		
135	SILICAGEL	3G		
136	BAR SOLDER			
137	WIRE SOLDER			
138	LOCK TIGHT			
139	SCOTCH TAPE			
140	OPP TAPE			

SHERWOOD MODEL : A100X4

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
1	P.C.B.	FR-4 DOUBLE LAYER	PAM102-02(159X397M/M)	
2	I.C	P.W.M.	KIA494P	2138013118
3	I.C	QUAD OP AMP	NJM2058D	NJM2058
4	I.C	COMPARATOR	KIA393P	
5	TRANSISTOR	SMALL SIGNAL NPN	KTC3198GR	KTC3198GR
6	TRANSISTOR	SMALL SIGNAL NPN	KTC3198BL	KTC3198BL
7	TRANSISTOR	SMALL SIGNAL PNP	KTA1266GR	KTA1266GR
8	TRANSISTOR	SMALL SIGNAL PNP	KTA1268GR	2008206104
9	TRANSISTOR	SMALL SIGNAL NPN	KTC3200GR	2008606108
10	TRANSISTOR	SMALL SIGNAL PNP	KTA1023Y	A1023Y
11	TRANSISTOR	SMALL SIGNAL NPN	KTC1027Y	KTC1027Y
12	TRANSISTOR	AUDIO POWER NPN	KTD718	2028407109
13	TRANSISTOR	AUDIO POWER PNP	KTB688	2028107106
14	F.E.T.	N-CH POWER MOSFET	IRFZ44	2028802002
15	DIODE	SWITCHING SIGNAL	1N4148	2058306101
16	DIODE	RECTIFIER	1N4002	2058106100
17	DIODE	ZENER DIODE 1W	1N4744(15V)	1N4744
18	DIODE	FAST RECOVERY	FR154	FR154
19	DIODE	FAST RECOVERY	FR304	FR304
20	DIODE	FAST RECOVERY	ESAC25M-02D	C25M02D
21	LED	GREEN	KLG-124E	2308060301
22	LED	RED	KLR-124E	KLR124E
23	RESISTOR	CARBON FILM 1/5WJ	10 OHM	3069100970
24	RESISTOR	CARBON FILM 1/5WJ	47 OHM	3009470975
25	RESISTOR	CARBON FILM 1/5WJ	22 OHM	3009220977
26	RESISTOR	CARBON FILM 1/5WJ	100 OHM	3009101973
27	RESISTOR	CARBON FILM 1/5WJ	150 OHM	3069151970
28	RESISTOR	CARBON FILM 1/5WJ	220 OHM	3069221970
29	RESISTOR	CARBON FILM 1/5WJ	390 OHM	3069391970
30	RESISTOR	CARBON FILM 1/5WJ	470 OHM	3009471973
31	RESISTOR	CARBON FILM 1/5WJ	1K OHM	3069102970
32	RESISTOR	CARBON FILM 1/5WJ	1.2K OHM	3069122970
33	RESISTOR	CARBON FILM 1/5WJ	1.5K OHM	3069152970
34	RESISTOR	CARBON FILM 1/5WJ	2K OHM	3069202970
35	RESISTOR	CARBON FILM 1/5WJ	2.7K OHM	3069272970
36	RESISTOR	CARBON FILM 1/5WJ	3.9K OHM	3009393975
37	RESISTOR	CARBON FILM 1/5WJ	4.7K OHM	3069472973
38	RESISTOR	CARBON FILM 1/5WJ	5.6K OHM	3009562973
39	RESISTOR	CARBON FILM 1/5WJ	8.2K OHM	3069822970
40	RESISTOR	CARBON FILM 1/5WJ	10K OHM	3009102973
41	RESISTOR	CARBON FILM 1/5WJ	15K OHM	3069153970
42	RESISTOR	CARBON FILM 1/5WJ	22K OHM	3009223975
43	RESISTOR	CARBON FILM 1/5WJ	27K OHM	3009273975
44	RESISTOR	CARBON FILM 1/5WJ	33K OHM	3009333975
45	RESISTOR	CARBON FILM 1/5WJ	56K OHM	3009563975
46	RESISTOR	CARBON FILM 1/5WJ	75K OHM	3069753970
47	RESISTOR	CARBON FILM 1/5WJ	100K OHM	3009104973

SHERWOOD MODEL : A100X4

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
48	RESISTOR	CARBON FILM 1/5WJ	9.4K OHM	
49	RESISTOR	CARBON FILM 1/5WJ	15.2K OHM	
50	RESISTOR	CARBON FILM 1/5WJ	22K OHM	3009223975
51	RESISTOR	CARBON FILM 1/5WJ	47K OHM	3009473973
52	RESISTOR	CARBON FILM 1/5WJ	91K OHM	3069913970
53	RESISTOR	CARBON FILM 1/2WJ	4.7 OHM	5362479
54	RESISTOR	CARBON FILM 1/2WJ	3.3K OHM	3039332372
55	RESISTOR	METAL FILM 2WJ	100 OHM	3039101572
56	RESISTOR	METAL FILM 2WJ	680 OHM	3039681572
57	RESISTOR	METAL FILM 2WJ	470 OHM	3029471572
58	RESISTOR	WIRE WOUND 3WJ	0.1 OHM	
59	VOLUME	DUBBLE LAYER	V16L4 15KC-B20KOHMX	CVRGI20KX2
60	VOLUME	QUAD LAYER	V12L5 15KC-50KOHMX4	CVRGI50KX4
61	THERMISTOR	NTC RESISTOR	LUG50K	THER50K
62	CAPACITOR	CERAMIC DISC 50V NPO	10pF	3519100935
63	CAPACITOR	CERAMIC DISC 50V NPO	15pF	3579150130
64	CAPACITOR	CERAMIC DISC 50V NPO	22pF	3519470935
65	CAPACITOR	CERAMIC DISC 50V NPO	100pF	3579101130
66	CAPACITOR	CERAMIC DISC 50V NPO	470pF	3579471130
67	CAPACITOR	CERAMIC DISC 50V	473pF	3509473530
68	CAPACITOR	CERAMIC DISC 50V	104pF	3509104512
69	CAPACITOR	MYLAR 5% 50V	102J	3619102110
70	CAPACITOR	MYLAR 5% 50V	222J	3609222122
71	CAPACITOR	MYLAR 5% 50V	473J	3679473120
72	CAPACITOR	MYLAR 5% 50V	563J	3679563120
73	CAPACITOR	MYLAR 5% 50V	104J	3679104120
74	CAPACITOR	ELECTROLYTIC "RX"	220/25V	
75	CAPACITOR	ELECTROLYTIC "SMS"	1/50V	3479210971
76	CAPACITOR	ELECTROLYTIC "SMS"	2.2/50V	3479247971
77	CAPACITOR	ELECTROLYTIC "SMS"	4.7/50V	3479247971
78	CAPACITOR	ELECTROLYTIC "SMS"	10/16V	3409210031
79	CAPACITOR	ELECTROLYTIC "SMS"	10/25V	3409210041
80	CAPACITOR	ELECTROLYTIC "SMS"	47/16V	3409233041
81	CAPACITOR	ELECTROLYTIC "SMS"	100/16V	3409210131
82	CAPACITOR	ELECTROLYTIC "SMS"	220/16V	3409222131
83	CAPACITOR	ELECTROLYTIC "SMS"	470/50V	
84	CAPACITOR	ELECTROLYTIC "SMS"	1000/16V	3409210231
85	CAPACITOR	ELECTROLYTIC "SMS"	1000/50V	
86	CAPACITOR	ELECTROLYTIC "KME"	1000/50V	
87	AIR CORD		CL-200	
88	BAR CORE		CL-300	
89	DRUM CORE		CL-500	
90	RING CORE	TROID	36PHI(43610TC)	
91	SWITCH	SLIDE SWITCH	JSS2319	JSS2319
92	SWITCH	SLIDE SWITCH	JSS2219	JSS2219
93	R.C.A. JACK		KJB582(GOLD)	KJB582G
94	POWER TERM	GOLD PLATED	WT-9332 3P	

SHERWOOD MODEL : A100X4

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
95	POWER TERM	GOLD PLATED	KAB-758 8P	
96	FUSE HOLDER		153320U	
97	AUTO FUSE		30A	5508724215
98	WIRE	AWG#22 BLACK, LUG(3PHI)	60M/M	
99	TEFLON TUBE	0.7PHI	15M/M	
100	TEFLON TUBE	0.7PHI	10M/M	
101	WIRE	AWG#14 RED	80M/M	
102	WIRE	AWG#14 RED	100M/M	
103	HEAT SINK	AL/EXTRUDING 400.0M/M	SWD-HSA001-06	
104	FRONT PANEL	EGI 1.0T	SWD-FCH001-03	
105	REAR PANEL	EGI 1.0T	SWD-RCH001-03	
106	BOTTOM COVER	EGI 1.0T	SWD-BCH001-06	
107	TR-BRACKET	GI 110X25X2.0T	BKT 001-01	
108	SUB-BRACKET	EGI 1.2T	SWD-BKT 001	
109	TR-BKT/CUSHION(A)	PAD 110X20X1.0T	PCH 001-01	
110	RUBBER CUSHION(A)	RUBBER 10X10X4T	RCH 001-01	
111	RUBBER CUSHION(B)	RUBBER 20X10X2.4T	RCH 001-02	
112	RUBBER CHSHION(C)	RUBBER 10X7X1.0T	RCH 001-02	
113	INSULATOR	18PHI		
114	SWITCH DECAL	FELT 15X7X0.3T	SDC 001-01	
115	PAPER SPACER (A)	PAD 15X8X0.5T		
116	PAPER SPACER (B)	PAD 10X6X0.5T		
117	SILICON PAD (A)	(SP1000SAC) 110X22X0.5T	SPD 001-01	
118	OPEN LUG(A)	2.5SQ		
119	OPEN LUG(B)	8.0SQ		
120	SCREW	STT2 BH 3X5 NI		
121	SCREW	STT2 BH 3X5 NI		
122	SCREW	STT3 BH 3X6 NI		
123	SCREW	STT2 BH 3X8 BK		
124	SCREW	STT3 BH 3X6 BK		
125	SCREW	SMP 4X12 NI		
126	SCREW	STT1 BH 4X20 BK		
127	INNER PAD	DW#2 (6.0T)	SWD-INP001-03	
128	INNER PAD			
129	INNER PAD			
130	GIFT BOX	SW#1 (1.5T)	SWD-GTB001-03	
131	CARTON BOX	DW#2 (6.0T)	SWD-CTB001-03	
132	POLY BAG (A)	VINYL 550X360X0.5T		
133	POLY BAG (B)	VINYL 160X280X0.5T		
134	POLY BAG (C)	VINYL 100X80X0.5T		
135	MANUAL			
136	MANUAL			
137	BAR CODE	BOTTOM		
138	BAR CODE	GIFT		
139	BAR CODE	CARTON		
140	STICKER	MADE IN KOREA		
141	SILICAGEL	3G		
142	BAR SOLDER			
143	WIRE SOLDER			
144	LOCK TIGHT			
145	SCOTCH TAPE			
146	OPP TAPE			

SHERWOOD MODEL : A150X2

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
1	P.C.B.	FR-4 DOUBLE LAYER	PAM106-02(159X297M/M)	
2	I.C	P.W.M.	KIA494P	2138013118
3	I.C	COMPARATOR	KIA393P	
4	I.C	QUAD OP AMP	NJM2058D	NJM2058
5	I.C	DUAL OP AMP	KIA4559P	2168206104
6	TRANSISTOR	SMALL SIGNAL NPN	KTC3198GR	KTC3198GR
7	TRANSISTOR	SMALL SIGNAL NPN	KTC3198BL	KTC3198BL
8	TRANSISTOR	SMALL SIGNAL PNP	KTA1266GR	KTA1266GR
9	TRANSISTOR	SMALL SIGNAL PNP	KTA1268GR	2008206104
10	TRANSISTOR	SMALL SIGNAL NPN	KTC3200GR	2008606108
11	TRANSISTOR	SMALL SIGNAL PNP	KTA1023Y	A1023Y
12	TRANSISTOR	SMALL SIGNAL NPN	KTC1027Y	KTC1027Y
13	TRANSISTOR	AUDIO DRIVE PNP	2SB631E, KSA1220A-Y	2008217100
14	TRANSISTOR	AUDIO DRIVE NPN	2SD600E, KSC2690A-Y	2008617100
15	TRANSISTOR	AUDIO POWER PNP	KTB778	28778002
16	TRANSISTOR	AUDIO POWER NPN	KTD998	28998004
17	F.E.T.	N-CH POWER MOSFET	IRFZ44	2028802002
18	DIODE	SWITCHING SIGNAL	1N4148	2058306101
19	DIODE	RECTIFIER	1N4002	2058106100
20	DIODE	ZENER DIODE 1W	1N4744(15V)	1N4744
21	DIODE	FAST RECOVERY	FR154	FR154
22	DIODE	FAST RECOVERY	FR304	FR304
23	DIODE	FAST RECOVERY	ESAC25M-02D	C25M02D
24	LED	GREEN	KLG-124E	2308060301
25	LED	RED	KLR-124E	KLR124E
26	RESISTOR	CARBON FILM 1/5WJ	10 OHM	3069100970
27	RESISTOR	CARBON FILM 1/5WJ	47 OHM	3009470975
28	RESISTOR	CARBON FILM 1/5WJ	22 OHM	3009220977
29	RESISTOR	CARBON FILM 1/5WJ	100 OHM	3009101973
30	RESISTOR	CARBON FILM 1/5WJ	150 OHM	3069151970
31	RESISTOR	CARBON FILM 1/5WJ	220 OHM	3069221970
32	RESISTOR	CARBON FILM 1/5WJ	390 OHM	3069391970
33	RESISTOR	CARBON FILM 1/5WJ	560 OHM	3069561970
34	RESISTOR	CARBON FILM 1/5WJ	1K OHM	3069102970
35	RESISTOR	CARBON FILM 1/5WJ	1.5K OHM	3069152970
36	RESISTOR	CARBON FILM 1/5WJ	2.7K OHM	3069272970
37	RESISTOR	CARBON FILM 1/5WJ	3.9K OHM	3009393975
38	RESISTOR	CARBON FILM 1/5WJ	4.7K OHM	3069472973
39	RESISTOR	CARBON FILM 1/5WJ	5.6K OHM	3009562973
40	RESISTOR	CARBON FILM 1/5WJ	8.2K OHM	3069822970
41	RESISTOR	CARBON FILM 1/5WJ	10K OHM	3009102973
42	RESISTOR	CARBON FILM 1/5WJ	15K OHM	3069153970
43	RESISTOR	CARBON FILM 1/5WJ	22K OHM	3009223975
44	RESISTOR	CARBON FILM 1/5WJ	27K OHM	3009273975
45	RESISTOR	CARBON FILM 1/5WJ	33K OHM	3009333975
46	RESISTOR	CARBON FILM 1/5WJ	39K OHM	3009393975
47	RESISTOR	CARBON FILM 1/5WJ	56K OHM	3009563975

SHERWOOD MODEL : A150X2

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
48	RESISTOR	CARBON FILM 1/5WJ	100K OHM	3009104973
49	RESISTOR	CARBON FILM 1/5WJ	9.4K OHM	
50	RESISTOR	CARBON FILM 1/5WJ	15.2K OHM	
51	RESISTOR	CARBON FILM 1/5WJ	47K OHM	3009473973
52	RESISTOR	CARBON FILM 1/5WJ	91K OHM	3069913970
53	RESISTOR	CARBON FILM 1/2WJ	4.7 OHM	5362479
54	RESISTOR	CARBON FILM 1/2WJ	3.3K OHM	3039332372
55	RESISTOR	METAL FILM 2WJ	100 OHM	3039101572
56	RESISTOR	METAL FILM 2WJ	680 OHM	3039681572
57	RESISTOR	WIRE WOUND 3WJ	0.1 OHM	
58	VOLUME	DUBBLE LAYER	V16L4 15KC-B20KOHMX2	CVRGI20KX2
59	VOLUME	QUAD LAYER	V12L5 15KC-50KOHMX4	CVRGI50KX4
60	THERMISTOR	NTC RESISTOR	LUG50K	THER50K
61	CAPACITOR	CERAMIC DISC 50V NPO	10pF	3579100030
62	CAPACITOR	CERAMIC DISC 50V NPO	15pF	3579150130
63	CAPACITOR	CERAMIC DISC 50V NPO	47pF	3579470130
64	CAPACITOR	CERAMIC DISC 50V NPO	100pF	3579101130
65	CAPACITOR	CERAMIC DISC 50V NPO	470pF	3579471130
66	CAPACITOR	CERAMIC DISC 50V	473pF	3509473530
67	CAPACITOR	CERAMIC DISC 50V	104pF	3509104512
68	CAPACITOR	MYLAR 5% 50V	102J	3619102110
69	CAPACITOR	MYLAR 5% 50V	222J	3609222122
70	CAPACITOR	MYLAR 5% 50V	473J	3679473120
71	CAPACITOR	MYLAR 5% 50V	563J	3679563120
72	CAPACITOR	MYLAR 5% 50V	104J	3679104120
73	CAPACITOR	ELECTROLYTIC "RX"	220/25V	
74	CAPACITOR	ELECTROLYTIC "SMS"	1/50V	3479210971
75	CAPACITOR	ELECTROLYTIC "SMS"	2.2/50V	3479247971
76	CAPACITOR	ELECTROLYTIC "SMS"	4.7/50V	3479247971
77	CAPACITOR	ELECTROLYTIC "SMS"	10/16V	3409210031
78	CAPACITOR	ELECTROLYTIC "SMS"	10/25V	3409210041
79	CAPACITOR	ELECTROLYTIC "SMS"	22/16V	
80	CAPACITOR	ELECTROLYTIC "SMS"	47/16V	3409233041
81	CAPACITOR	ELECTROLYTIC "SMS"	100/16V	3409210131
82	CAPACITOR	ELECTROLYTIC "SMS"	470/16V	3409222131
83	CAPACITOR	ELECTROLYTIC "SMS"	470/50V	
84	CAPACITOR	ELECTROLYTIC "SMS"	1000/16V	3409210231
85	CAPACITOR	ELECTROLYTIC "SMS"	1000/50V	
86	CAPACITOR	ELECTROLYTIC "KME"	1000/50V	
87	AIR CORD		CL-200	
88	BAR CORE		CL-300	
89	DRUM CORE		CL-500	
90	RING CORE	TROID	36PHI(43615TC)	
91			T01,T02 7(1.0X2):18(1.2X1)	
92	SWITCH	SLIDE SWITCH	JSS2219	JSS2219
93	SWITCH	SLIDE SWITCH	JSS2319	JSS2319
94	R.C.A. JACK		KJB582(GOLD)	KJB582G

SHERWOOD MODEL : A150X2

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
95	POWER TERM	GOLD PLATED	WT-9332 3P	
96	POWER TERM	GOLD PLATED	KAB-654A 4P	
97	FUSE HOLDER		153320U	
98	AUTO FUSE		25A	5508724115
99	WIRE	AWG#22 BLACK, LUG(3PHI)	80M/M	
100	TEFLON TUBE	0.7PHI	15M/M	
101	TEFLON TUBE	0.7PHI	10M/M	
102	WIRE	AWG#14 RED	100M/M	
103	HEAT SINK	AL/EXTRUDING 260.0M/M	SWD-HSA001-03	
104	FRONT PANEL	EGI 1.0T	SWD-FCH001-02	
105	REAR PANEL	EGI 1.0T	SWD-RCH001-02	
106	BOTTOM COVER	EGI 1.0T	SWD-BCH001-03	
107	TR-BRACKET(A)	GI 200X25X2.0T	BKT 001-04	
108	TR-BRACKET(B)	GI 200X20X2.0T	BKT 001-04	
109	RUBBER CUSHION(A)	RUBBER 10X10X4T	RCH 001-01	
110	RUBBER CUSHION(B)	RUBBER 20X10X2.4T	RCH 001-02	
111	RUBBER CHSHION(C)	RUBBER 10X7X1.0T	RCH 001-02	
112	SWITCH DECAL	FELT 15X7X0.3T	SDC 001-01	
113	PAPER SPACER (A)	PAD 15X8X0.5T		
114	PAPER SPACER (B)	PAD 10X6X0.5T		
115	SILICON PAD (A)	(SP1000SAC) 200X22X0.5T	SPD 001-04	
116	OPEN LUG(A)	2.5SQ		
117	OPEN LUG(B)	8.0SQ		
118	SCREW	STT2 BH 3X5 NI		
119	SCREW	STT2 BH 3X5 NI		
120	SCREW	STT3 BH 3X6 NI		
121	SCREW	STT2 BH 3X8 BK		
122	SCREW	STT3 BH 3X6 BK		
123	SCREW	SMP 4X12 NI		
124	SCREW	STT1 BH 4X20 BK		
125	INNER PAD	DW#2 (6.0T)	SWD-INP001-02	
126	INNER PAD	383X25		
127	INNER PAD	383X50		
128	GIFT BOX	SW#1 (1.5T)	SWD-GTB001-02	
129	CARTON BOX	DW#2 (6.0T)	SWD-CTB001-02	
130	POLY BAG (A)	VINYL 450X320X0.5T		
131	POLY BAG (B)	VINYL 160X280X0.5T		
132	POLY BAG (C)	VINYL 100X80X0.5T		
133	MANUAL			
134	MANUAL			
135	BAR CODE	BOTTOM		
136	BAR CODE	GIFT		
137	BAR CODE	CARTON		
138	STICKER	MADE IN KOREA		
139	SILICAGEL	3G		
140	BAR SOLDER			
141	WIRE SOLDER			
142	LOCK TIGHT			
143	SCOTCH TAPE			
144	OPP TAPE			

SHERWOOD MODEL : A250X2

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
1	P.C.B.	FR-4 DOUBLE LAYER	PAM106-02(159X297M/M)	
2	I.C	P.W.M.	KIA494P	2138013118
3	I.C	COMPARATOR	KIA393P	
4	I.C	QUAD OP AMP	NJM2058D	NJM2058
5	I.C	DUAL OP AMP	KIA4559P	2168206104
6	TRANSISTOR	SMALL SIGNAL NPN	KTC3198GR	KTC3198GR
7	TRANSISTOR	SMALL SIGNAL NPN	KTC3198BL	KTC3198BL
8	TRANSISTOR	SMALL SIGNAL PNP	KTA1266GR	KTA1266GR
9	TRANSISTOR	SMALL SIGNAL PNP	KTA1268GR	2008206104
10	TRANSISTOR	SMALL SIGNAL NPN	KTC3200GR	2008606108
11	TRANSISTOR	SMALL SIGNAL PNP	KTA1023Y	A1023Y
12	TRANSISTOR	AUDIO DRIVE PNP	2SB631E, KSS1220A-Y	2008217100
13	TRANSISTOR	AUDIO DRIVE NPN	2SD600E, LSC2690A-Y	2008617100
14	TRANSISTOR	AUDIO POWER PNP	TIP36C	38363001
15	TRANSISTOR	AUDIO POWER NPN	TIP35C	38353001
16	F.E.T.	N-CH POWER MOSFET	IRFZ44	2028802002
17	DIODE	SWITCHING SIGNAL	1N4148	2058306101
18	DIODE	RECTIFIER	1N4002	2058106100
19	DIODE	ZENER DIODE 1W	1N4744(15V)	1N4744
20	DIODE	FAST RECOVERY	FR154	FR154
21	DIODE	FAST RECOVERY	FR304	FR304
22	DIODE	FAST RECOVERY	ESAC25M-02D	C25M02D
23	LED	GREEN	KLG-124E	2308060301
24	LED	RED	KLR-124E	KLR124E
25	RESISTOR	CARBON FILM 1/5WJ	10 OHM	3069100970
26	RESISTOR	CARBON FILM 1/5WJ	47 OHM	3009470975
27	RESISTOR	CARBON FILM 1/5WJ	100 OHM	3009101973
28	RESISTOR	CARBON FILM 1/5WJ	120 OHM	3069121970
29	RESISTOR	CARBON FILM 1/5WJ	220 OHM	3069221970
30	RESISTOR	CARBON FILM 1/5WJ	330 OHM	3069331970
31	RESISTOR	CARBON FILM 1/5WJ	390 OHM	3069391970
32	RESISTOR	CARBON FILM 1/5WJ	470 OHM	3009471973
33	RESISTOR	CARBON FILM 1/5WJ	560 OHM	3069561970
34	RESISTOR	CARBON FILM 1/5WJ	820 OHM	3069821970
35	RESISTOR	CARBON FILM 1/5WJ	910 OHM	
36	RESISTOR	CARBON FILM 1/5WJ	1K OHM	3069102970
37	RESISTOR	CARBON FILM 1/5WJ	1.5K OHM	3069152970
38	RESISTOR	CARBON FILM 1/5WJ	2.7K OHM	3069272970
39	RESISTOR	CARBON FILM 1/5WJ	4.7K OHM	3069472973
40	RESISTOR	CARBON FILM 1/5WJ	8.2K OHM	3069822970
41	RESISTOR	CARBON FILM 1/5WJ	10K OHM	3009102973
42	RESISTOR	CARBON FILM 1/5WJ	15K OHM	3069153970
43	RESISTOR	CARBON FILM 1/5WJ	18K OHM	3069183970
44	RESISTOR	CARBON FILM 1/5WJ	22K OHM	3009223975
45	RESISTOR	CARBON FILM 1/5WJ	33K OHM	3009333975
46	RESISTOR	CARBON FILM 1/5WJ	39K OHM	3009393975
47	RESISTOR	CARBON FILM 1/5WJ	56K OHM	3009563975

SHERWOOD MODEL : A250X2

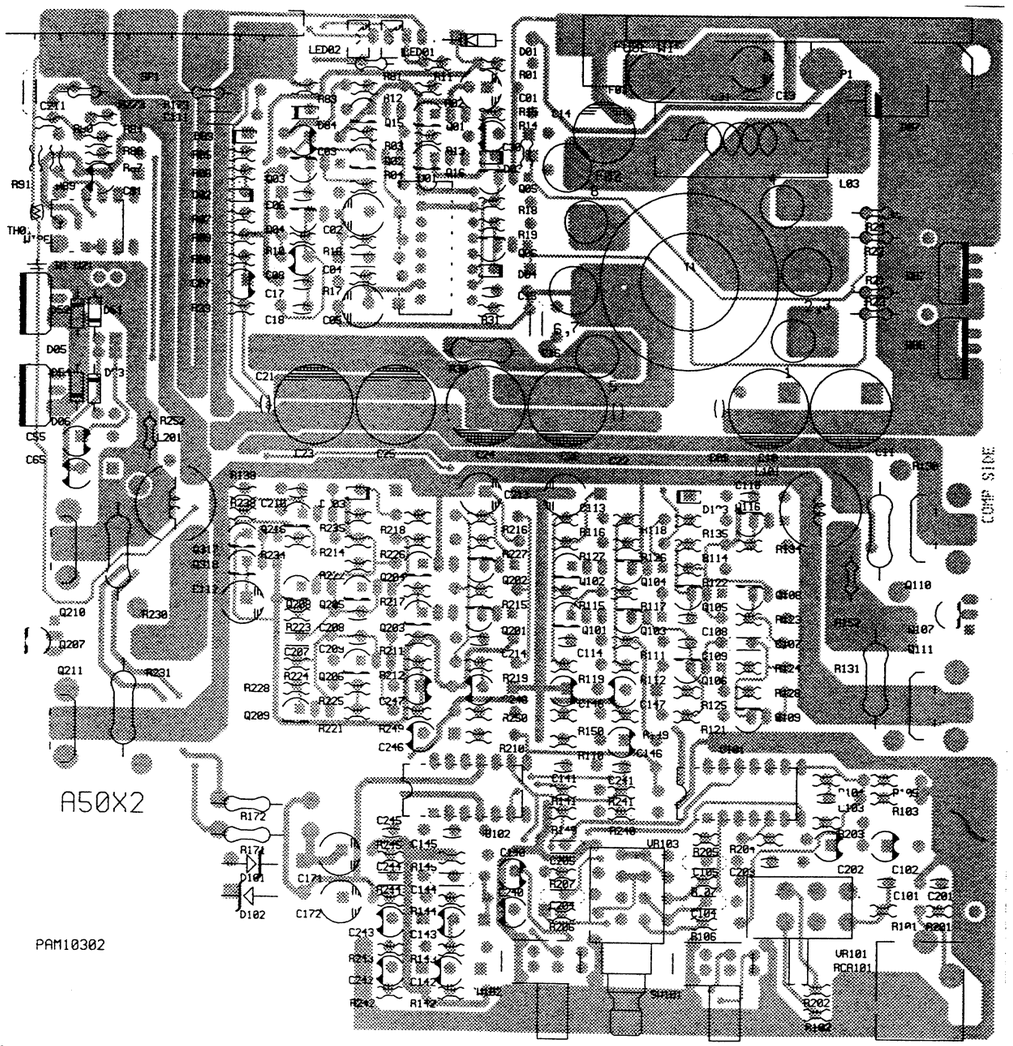
	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
48	RESISTOR	CARBON FILM 1/5WJ	75K OHM	3069753970
49	RESISTOR	CARBON FILM 1/5WJ	100K OHM	3009104973
50	RESISTOR	CARBON FILM 1/5WJ	9.4K OHM	
51	RESISTOR	CARBON FILM 1/5WJ	15.2K OHM	
52	RESISTOR	CARBON FILM 1/5WJ	47K OHM	3009473973
53	RESISTOR	CARBON FILM 1/5WJ	91K OHM	3069913970
54	RESISTOR	CARBON FILM 1/2WJ	10 OHM	3039100372
55	RESISTOR	CARBON FILM 1/2WJ	100 OHM	3039101372
56	RESISTOR	CARBON FILM 1/2WJ	3.3K OHM	3039332372
57	RESISTOR	METAL FILM 2WJ	100 OHM	3039101572
58	RESISTOR	METAL FILM 2WJ	680 OHM	3039681572
59	RESISTOR	METAL FILM 2WJ	1K OHM	
60	RESISTOR	WIRE WOUND 3WJ	0.1 OHM	
61	VOLUME	DUBBLE LAYER	V16L4 15KC-B20KOHMX2	CVRGI20KX2
62	VOLUME	QUAD LAYER	V12L5 15KC-50KOHMX4	CVRGI50KX4
63	THERMISTOR	NTC RESISTOR	LUG50K	THER50K
64	CAPACITOR	CERAMIC DISC 50V NPO	10pF	3579100030
65	CAPACITOR	CERAMIC DISC 50V NPO	15pF	3579150130
66	CAPACITOR	CERAMIC DISC 50V NPO	27pF	3529270210
67	CAPACITOR	CERAMIC DISC 50V NPO	33pF	3529330210
68	CAPACITOR	CERAMIC DISC 50V NPO	47pF	3579470130
69	CAPACITOR	CERAMIC DISC 50V NPO	100pF	3579101130
70	CAPACITOR	CERAMIC DISC 50V NPO	102pF	3579102530
71	CAPACITOR	CERAMIC DISC 50V NPO	220pF	3519221935
72	CAPACITOR	CERAMIC DISC 50V NPO	470pF	3579471130
73	CAPACITOR	CERAMIC DISC 50V	473pF	3509473530
74	CAPACITOR	CERAMIC DISC 50V	104pF	3509104512
75	CAPACITOR	MYLAR 5% 50V	102J	3619102110
76	CAPACITOR	MYLAR 5% 50V	222J	3609222122
77	CAPACITOR	MYLAR 5% 50V	473J	3679473120
78	CAPACITOR	MYLAR 5% 50V	563J	3679563120
79	CAPACITOR	MYLAR 5% 50V	104J	3679104120
80	CAPACITOR	ELECTROLYTIC "SMS"	1/50V	3479210971
81	CAPACITOR	ELECTROLYTIC "SMS"	2.2/50V	3479247971
82	CAPACITOR	ELECTROLYTIC "SMS"	4.7/50V	3479247971
83	CAPACITOR	ELECTROLYTIC "SMS"	10/16V	3409210031
84	CAPACITOR	ELECTROLYTIC "SMS"	10/25V	3409210041
85	CAPACITOR	ELECTROLYTIC "SMS"	47/16V	3409233041
86	CAPACITOR	ELECTROLYTIC "SMS"	100/16V	3409210131
87	CAPACITOR	ELECTROLYTIC "SMS"	100/63V	
88	CAPACITOR	ELECTROLYTIC "SMS"	220/16V	
89	CAPACITOR	ELECTROLYTIC "SMS"	220/63V	
90	CAPACITOR	ELECTROLYTIC "SMS"	470/16V	3409222131
91	CAPACITOR	ELECTROLYTIC "SMS"	470/63V	
92	CAPACITOR	ELECTROLYTIC "SMS"	1000/16V	3409210231
93	CAPACITOR	ELECTROLYTIC "SMS"	1000/63V	
94	CAPACITOR	ELECTROLYTIC "KME"	1000/50V	

SHERWOOD MODEL : A250X2

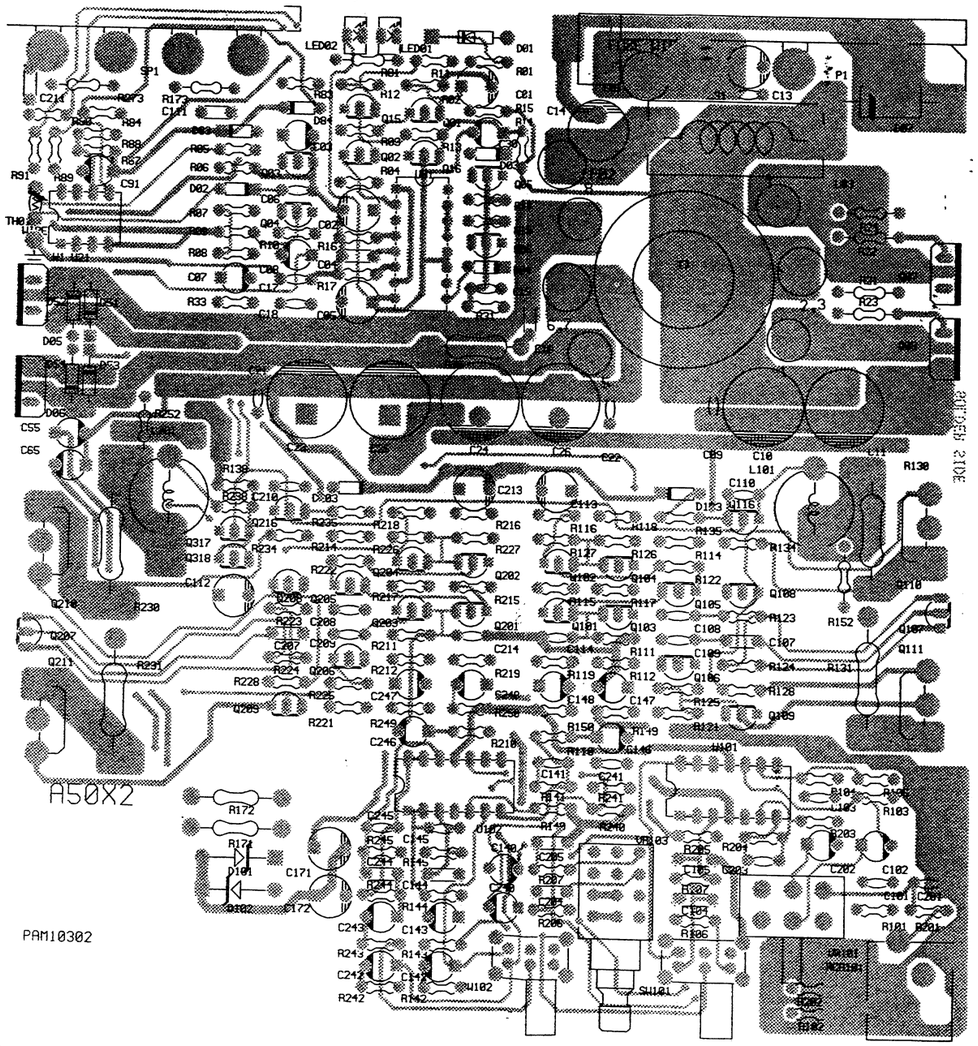
	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
95	AIR CORD		CL-200	
96	BAR CORE		CL-300	
97	DRUM CORE		CL-500	
98	RING CORE	TROID	36PHI(43615TC)	
99			T01,T02 6(0.7X9):21(0.7X4)T	
100	SWITCH	SLIDE SWITCH	JSS2219	JSS2219
101	SWITCH	SLIDE SWITCH	JSS2319	JSS2319
102	R.C.A. JACK		KJB582(GOLD)	KJB582G
103	BAR JUMPER	"0" OHM BAR JUMPER	25M/M	
104	POWER TERM	GOLD PLATED	WT-9332 3P	
105	POWER TERM	GOLD PLATED	KAB-654A 4P	
106	FUSE HOLDER		153320U	
107	AUTO FUSE		30A	5508724215
108	WIRE	AWG#22 BLACK, LUG(3PHI)	80M/M	
109	TEFLON TUBE	0.7PHI	10M/M	
110	HEAT SINK	AL/EXTRUDING 440.0M/M	SWD-HSA001-05	
111	FRONT PANEL	EGI 1.0T	SWD-FCH001-02	
112	REAR PANEL	EGI 1.0T	SWD-RCH001-02	
113	BOTTOM COVER	EGI 1.0T	SWD-BCH001-05	
114	TR-BRACKET(A)	GI 110X25X2.0T	BKT 001-01	
115	TR-BRACKET(B)	GI 130X25X2.0T	BKT 001-02	
116	SUB-BRACKET	EGI 1.2T	SWD BKT 001-01	
117	TR-BKT/CUSHION(A)	GI 110X25X2.0T	PCH 001-01	
118	TR-BKT/CUSHION(B)	GI 130X25X2.0T	PCH 001-02	
119	RUBBER CUSHION(	RUBBER 10X10X4T	RCH 001-01	
120	RUBBER CUSHION(	RUBBER 20X10X2.4T	RCH 001-02	
121	RUBBER CHSHION(	RUBBER 10X7X1.0T	RCH 001-02	
122	SWITCH DECAL	FELT 15X7X0.3T	SDC 001-01	
123	PAPER SPACER (A)	PAD 15X8X0.5T		
124	PAPER SPACER (B)	PAD 10X6X0.5T		
125	SILICON PAD (A)	(SP1000SAC) 110X22X0.5T	SPD 001-04	
126	SILICON PAD (B)	(SP1000SAC) 130X22X0.5T	SPD 001-02	
127	OPEN LUG(A)	2.5SQ		
128	OPEN LUG(B)	8.0SQ		
129	SCREW	STT2 BH 3X5 NI		
130	SCREW	STT2 BH 3X5 NI		
131	SCREW	STT3 BH 3X6 NI		
132	SCREW	STT2 BH 3X8 BK		
133	SCREW	STT3 BH 3X6 BK		
134	SCREW	SMP 4X12 NI		
135	SCREW	STT1 BH 4X20 BK		
136	INNER PAD	DW#2 (6.0T)	SWD-INP001-04	
137	GIFT BOX	SW#1 (1.5T)	SWD-GTB001-04	
138	CARTON BOX	DW#2 (6.0T)	SWD-CTB001-04	
139	POLY BAG (A)	VINYL 590X360X0.5T		
140	POLY BAG (B)	VINYL 150X280X0.5T		
141	POLY BAG (C)	VINYL 100X80X0.5T		

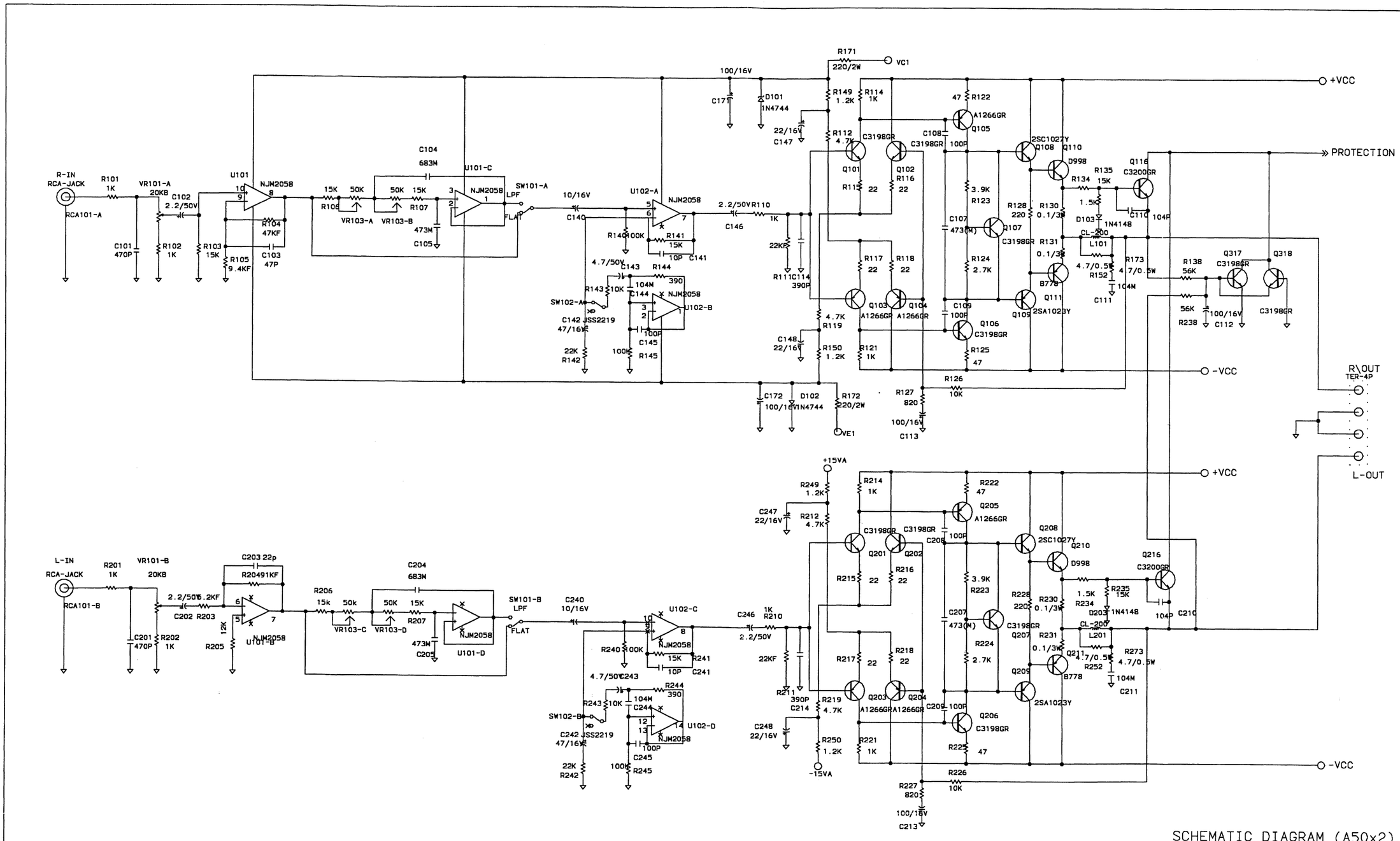
PRINTED CIRCUIT BOARD (FOR A50x2)

TOP VIEW

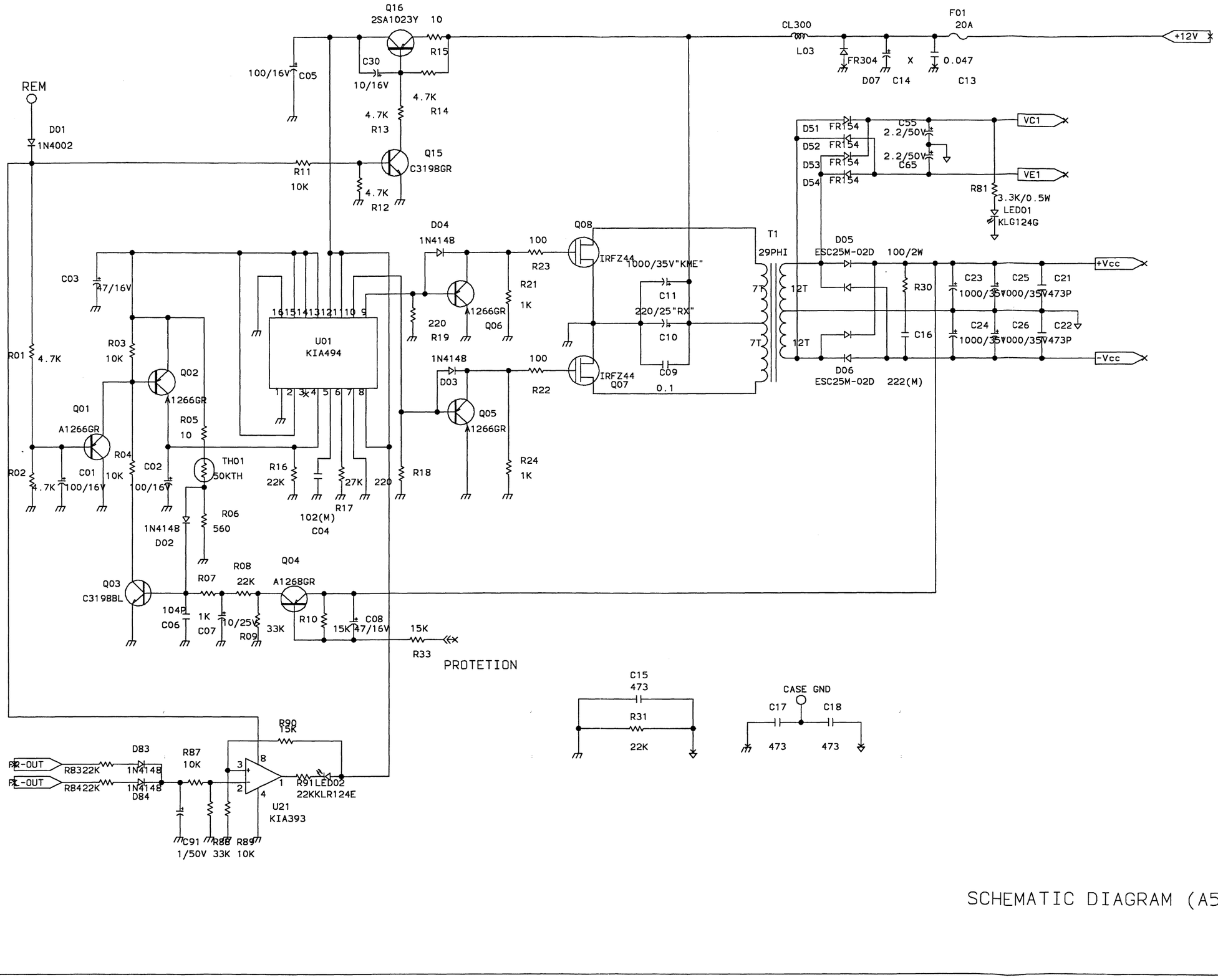


BOTTOM VIEW



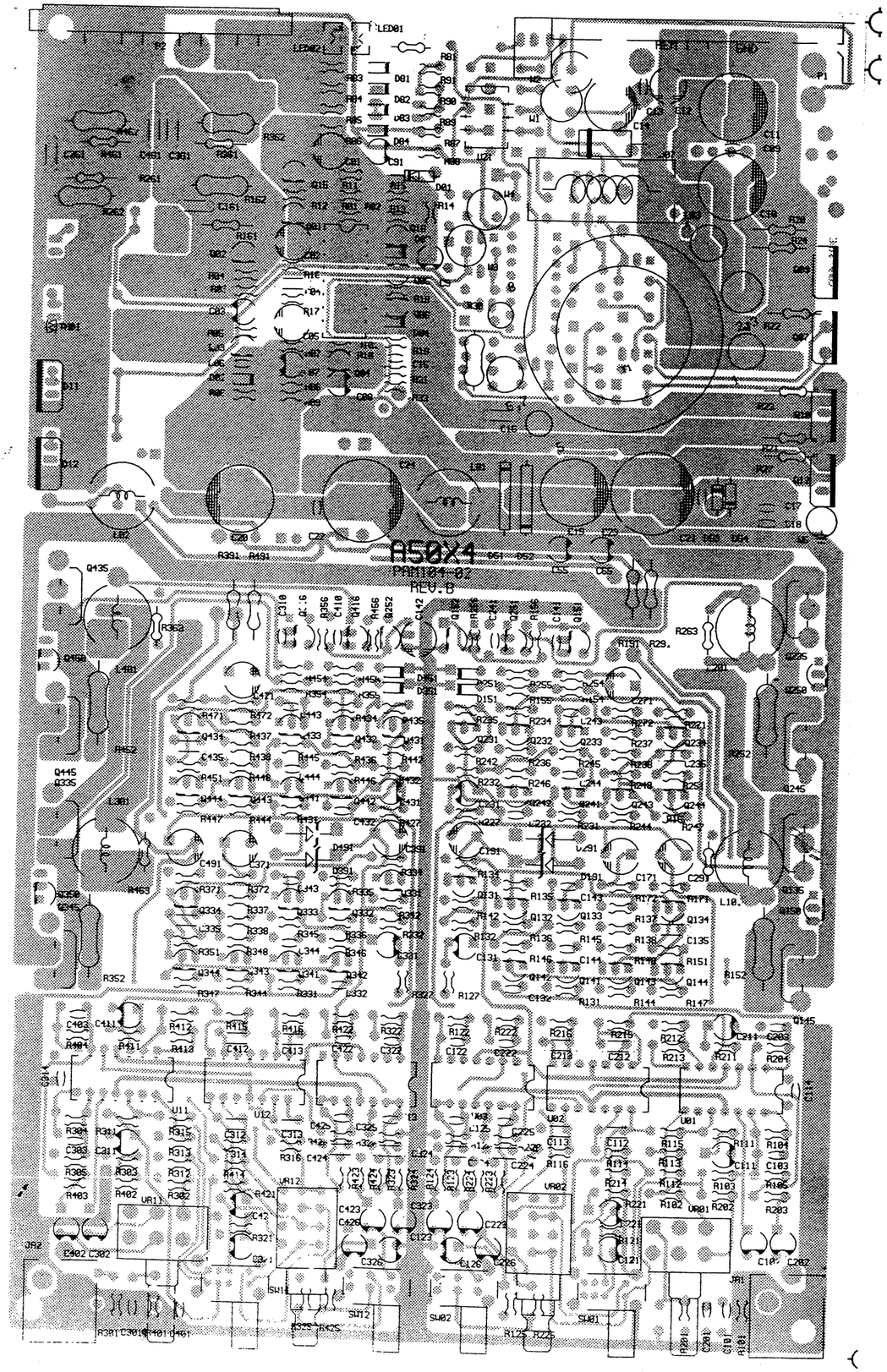


SCHEMATIC DIAGRAM (A50x2)

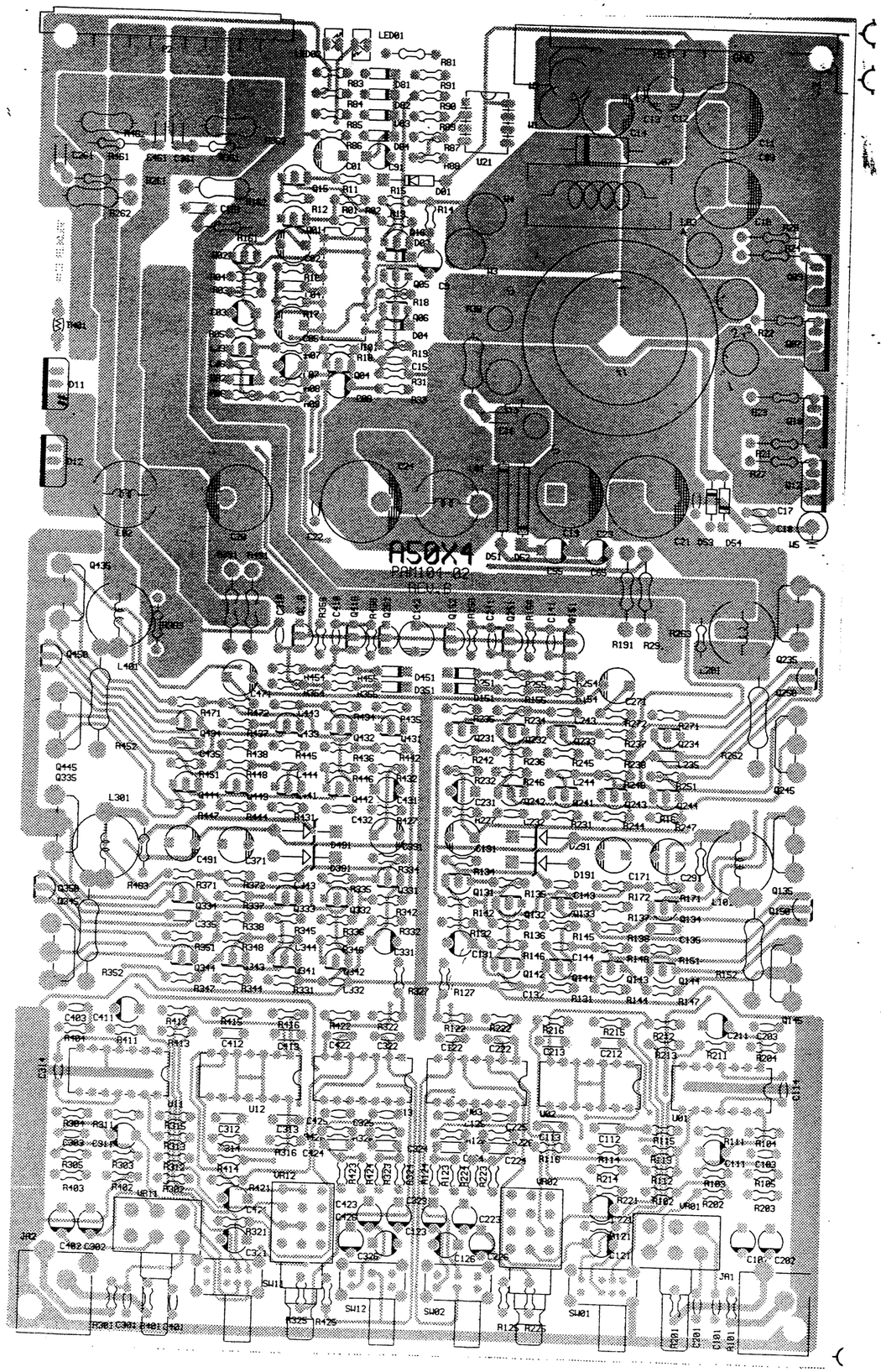


SCHEMATIC DIAGRAM (A50x2)

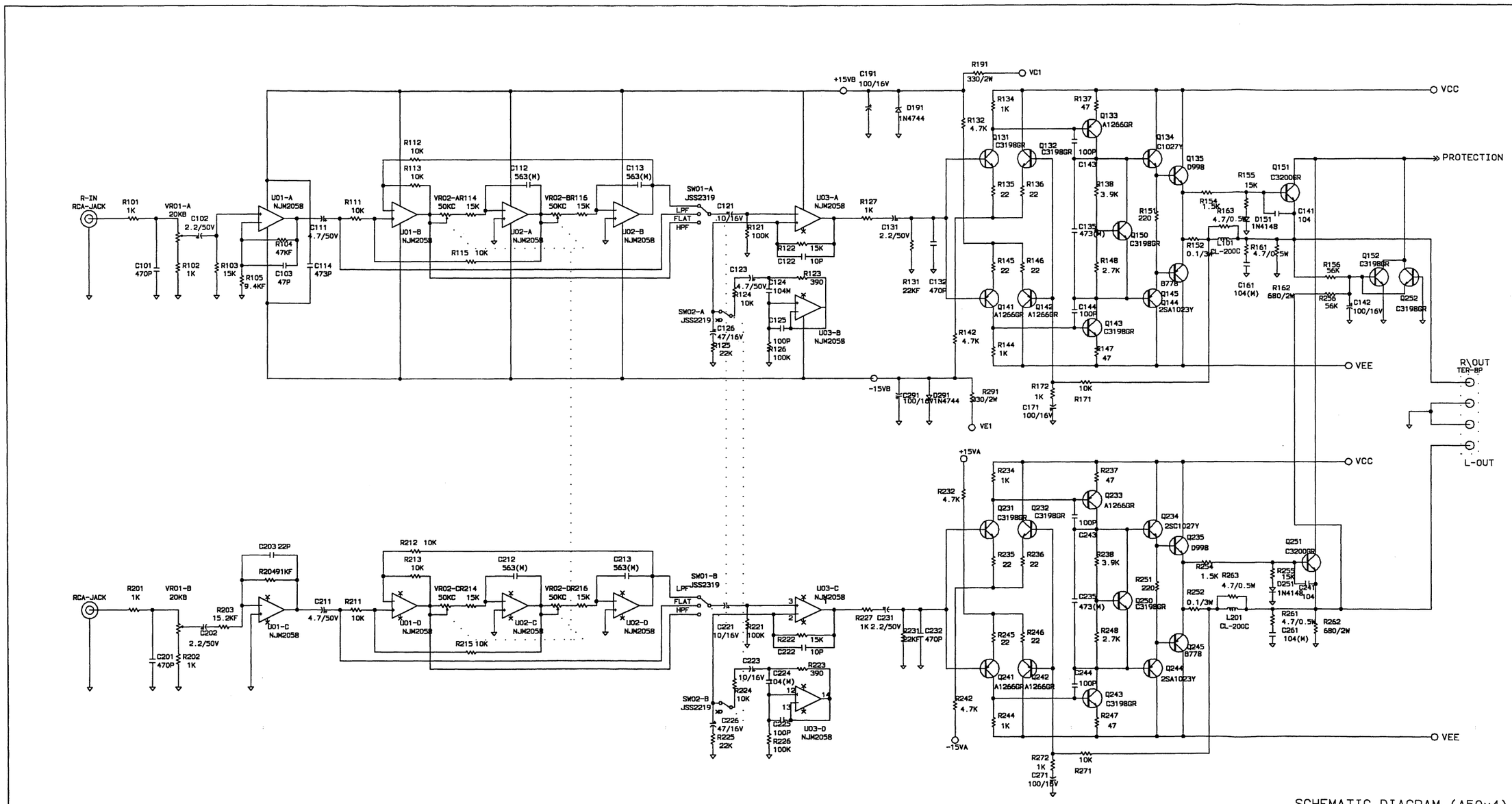
PRINTED CIRCUIT BOARD (FOR A50x4)



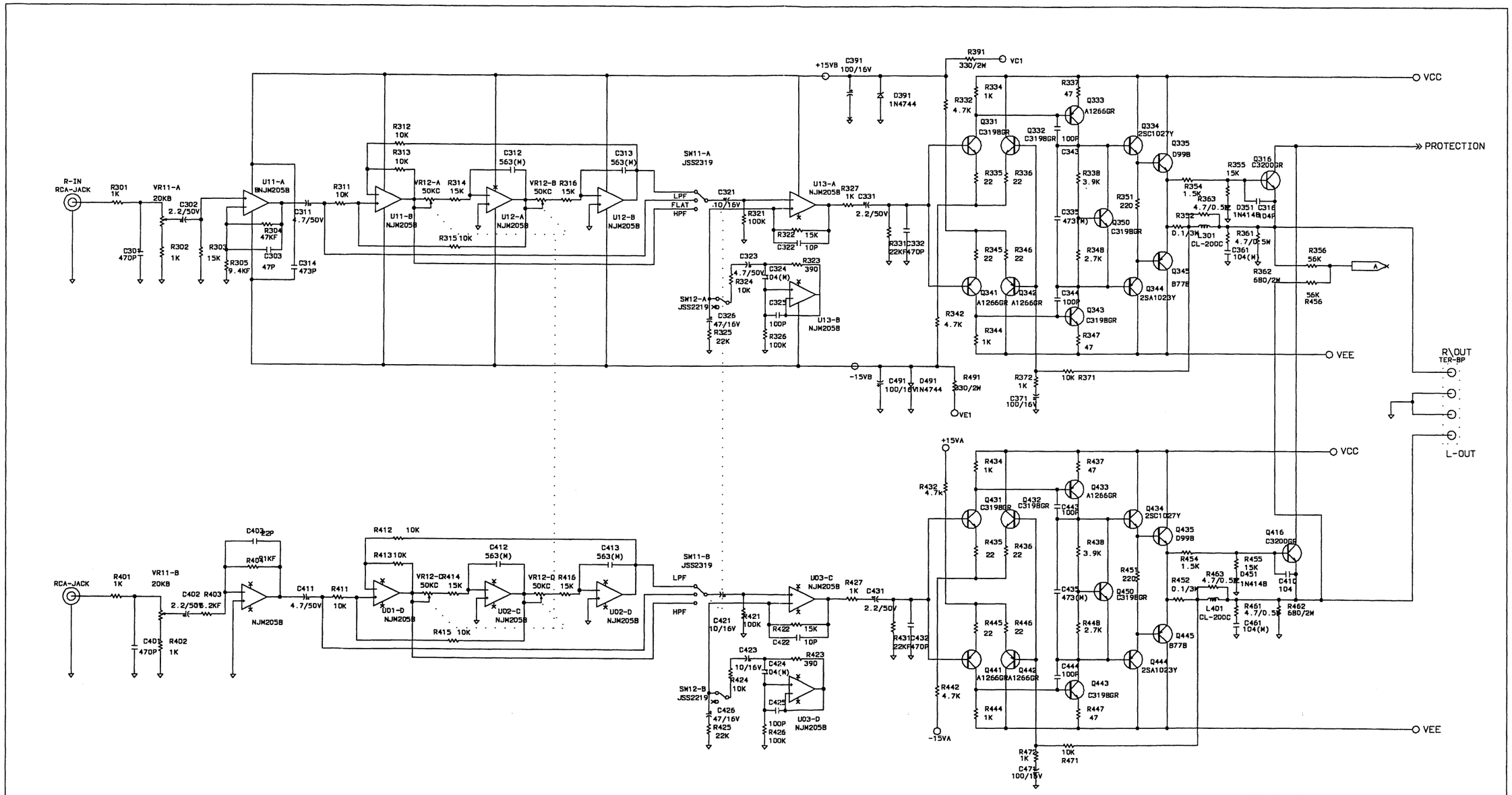
BOTTOM VIEW



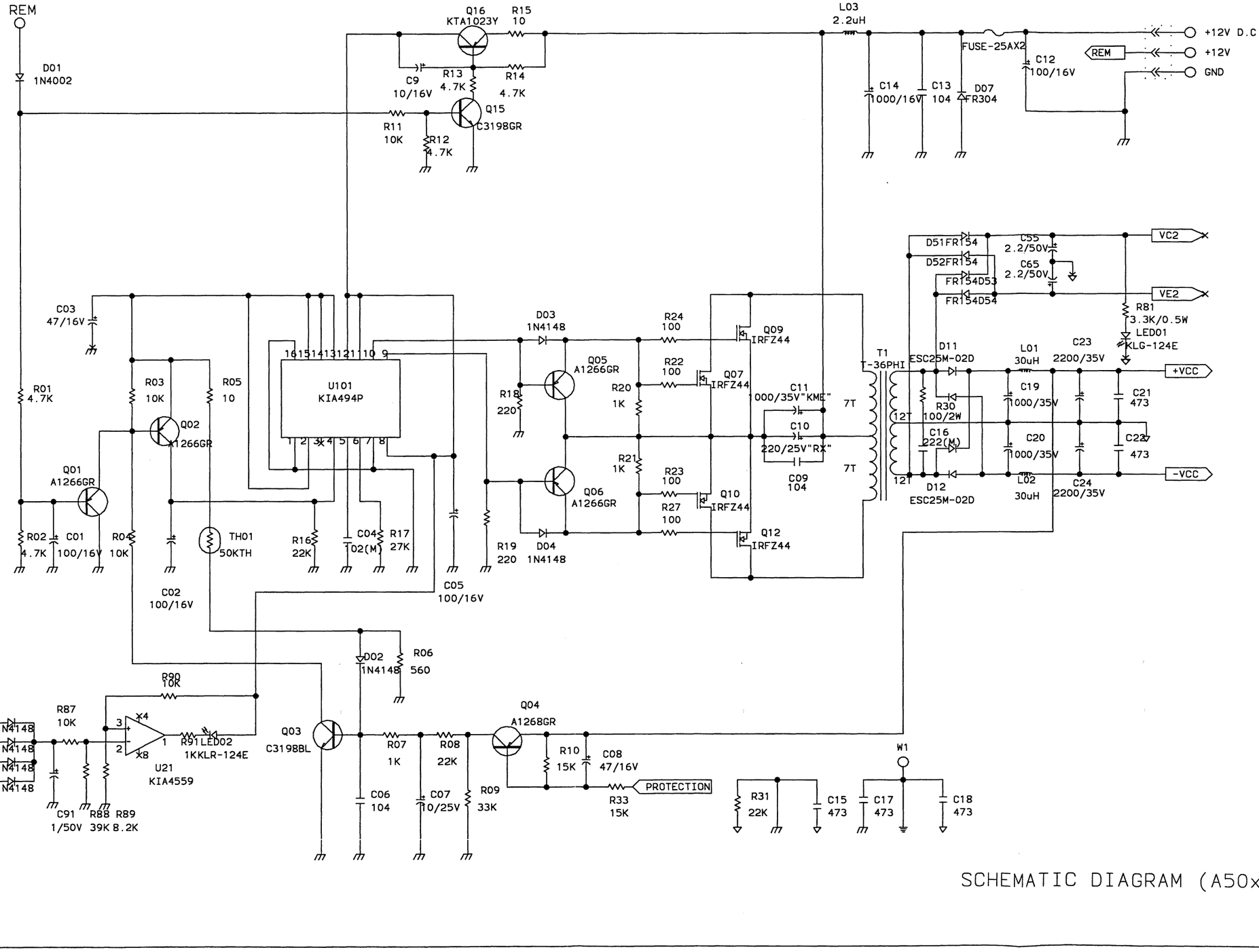
TOP VIEW



SCHEMATIC DIAGRAM (A50x4)

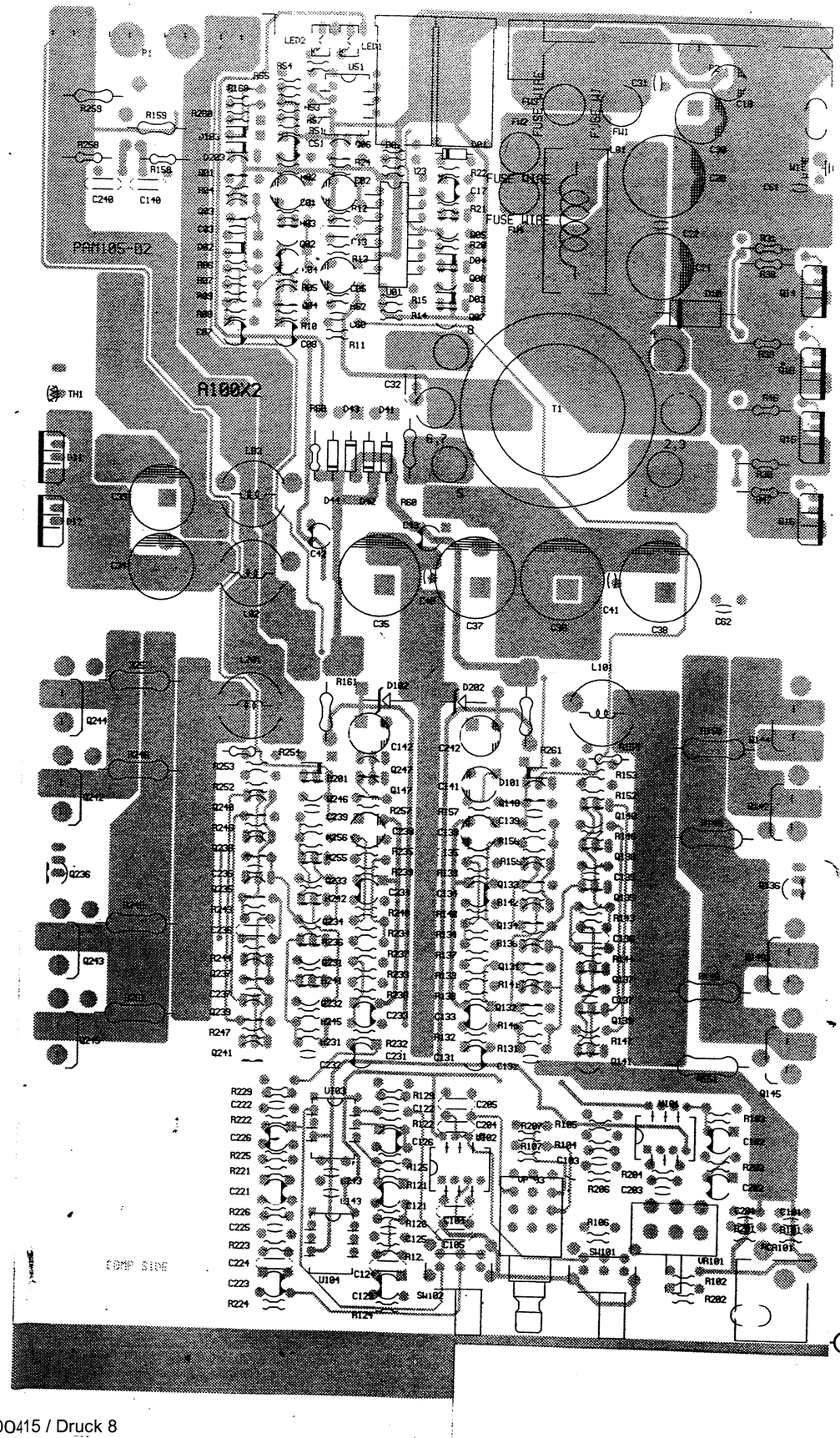


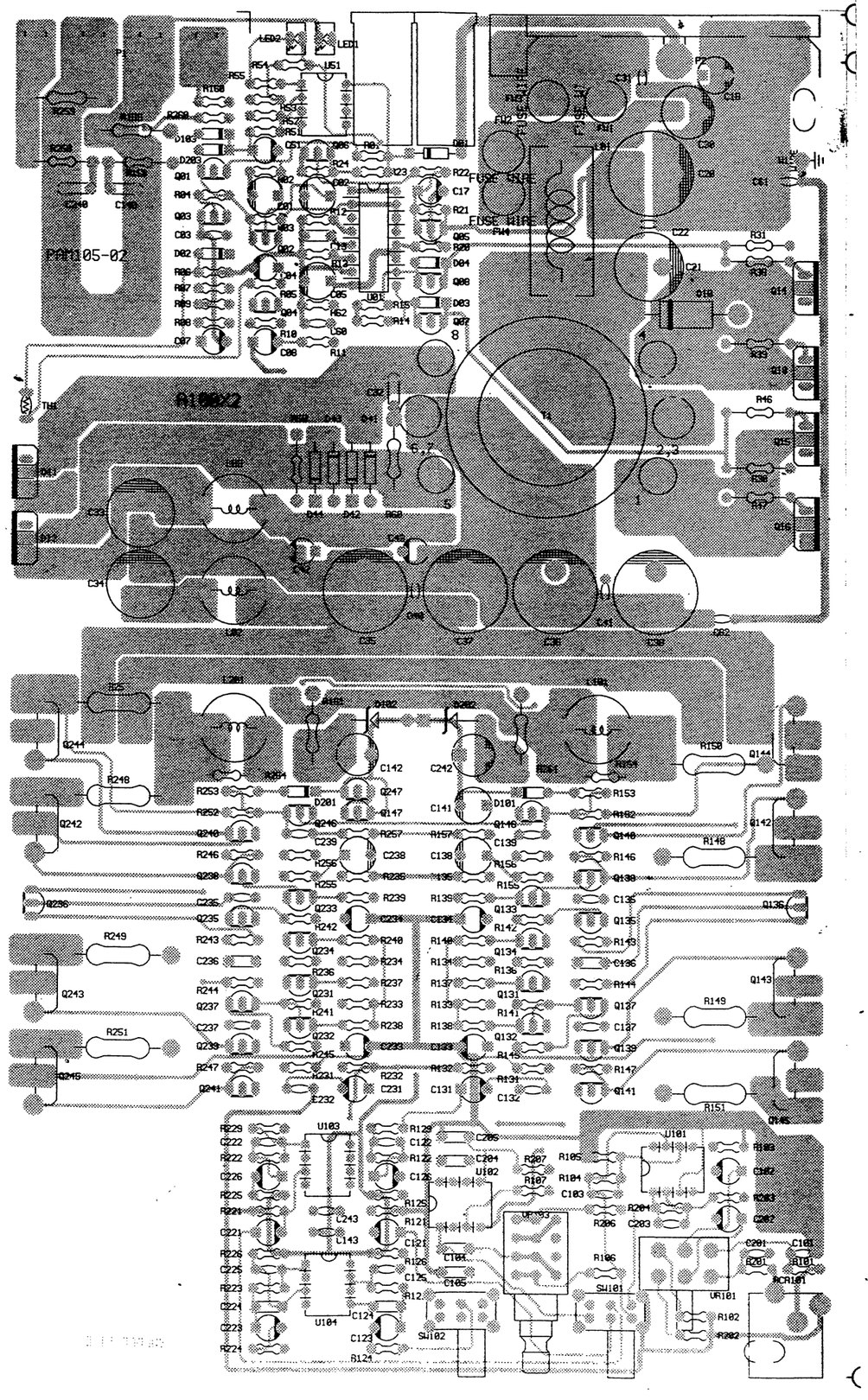
SCHEMATIC DIAGRAM (A50x4)



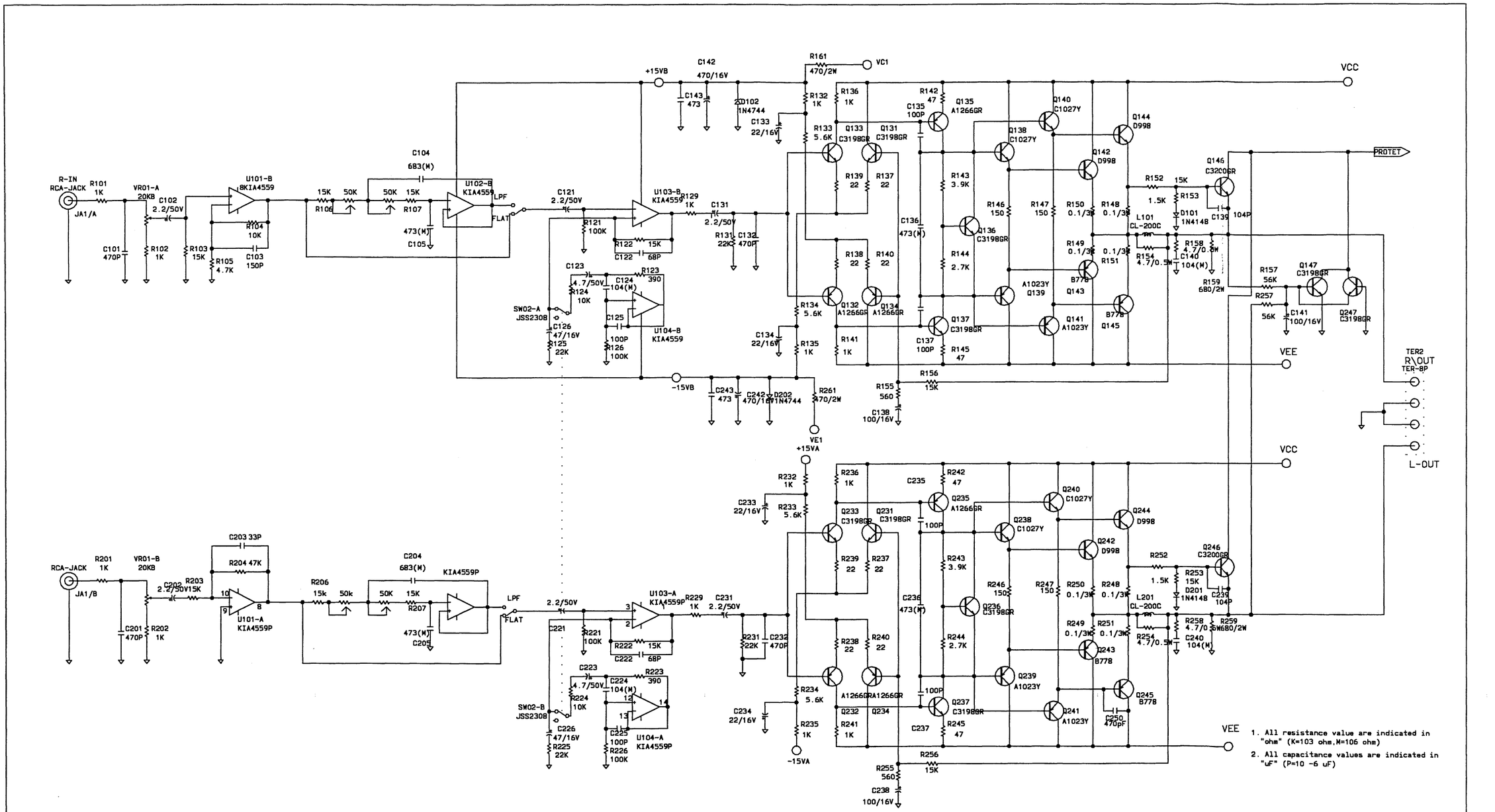
SCHEMATIC DIAGRAM (A50x4)

PRINTED CIRCUIT BOARD (FOR A100X2)

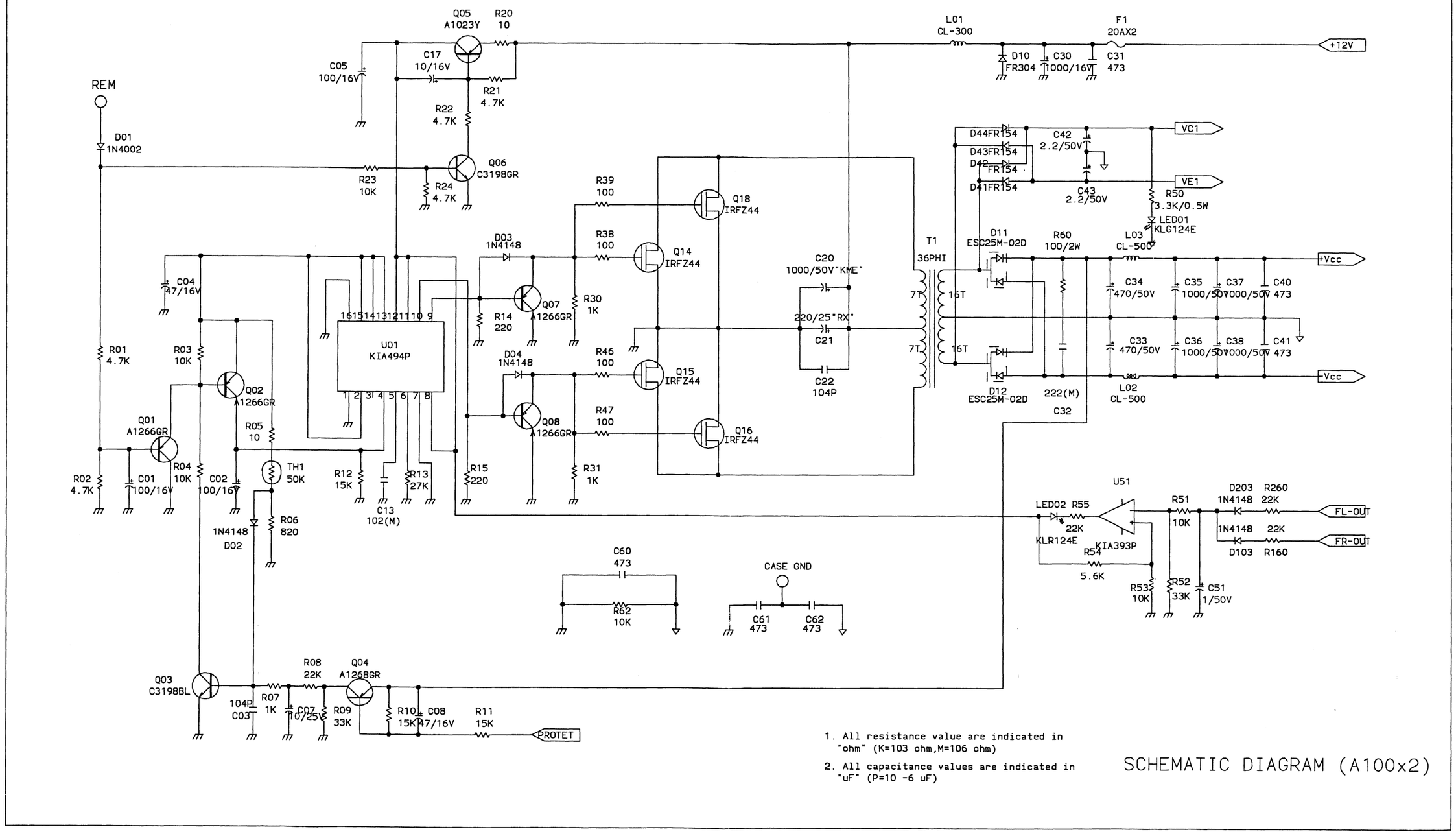




BOTTOM VIEW



SCHEMATIC DIAGRAM (A100x2)

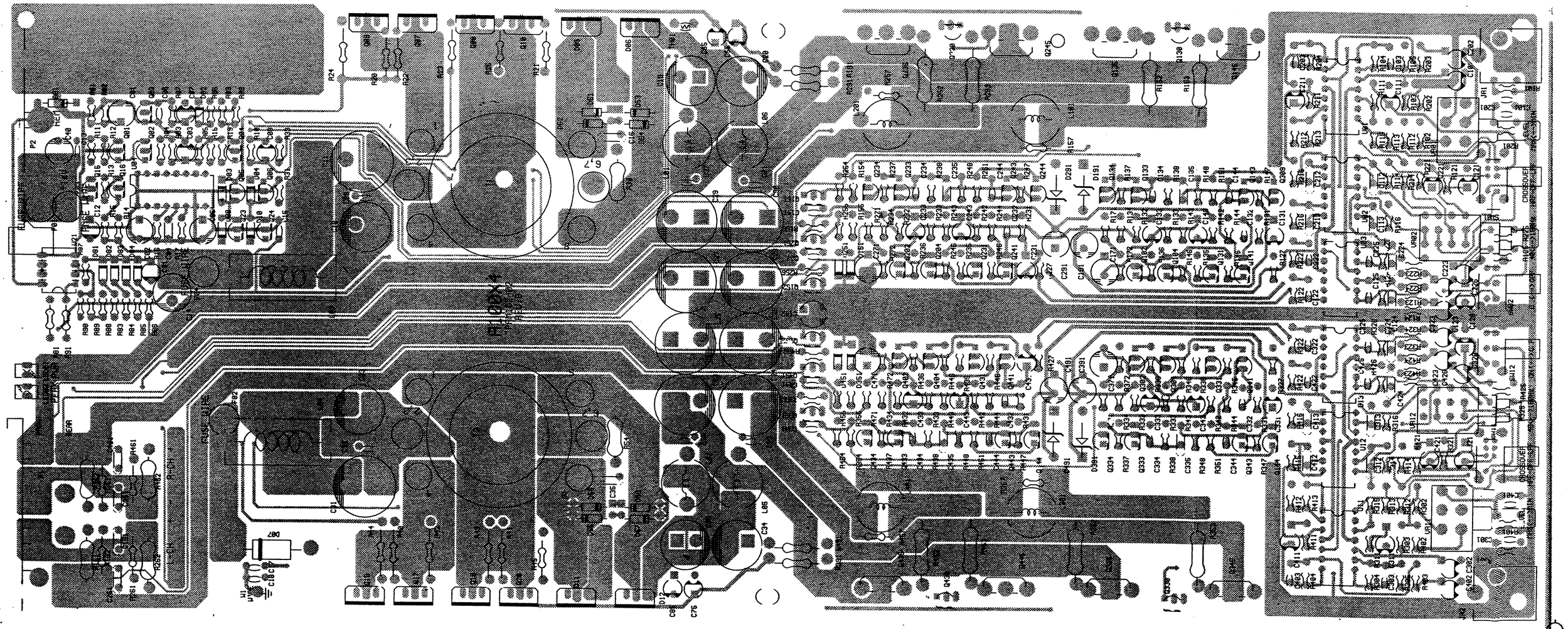


1. All resistance value are indicated in "ohm" (K=103 ohm,M=106 ohm)
2. All capacitance values are indicated in "uF" (P=10 -6 uF)

SCHEMATIC DIAGRAM (A100x2)

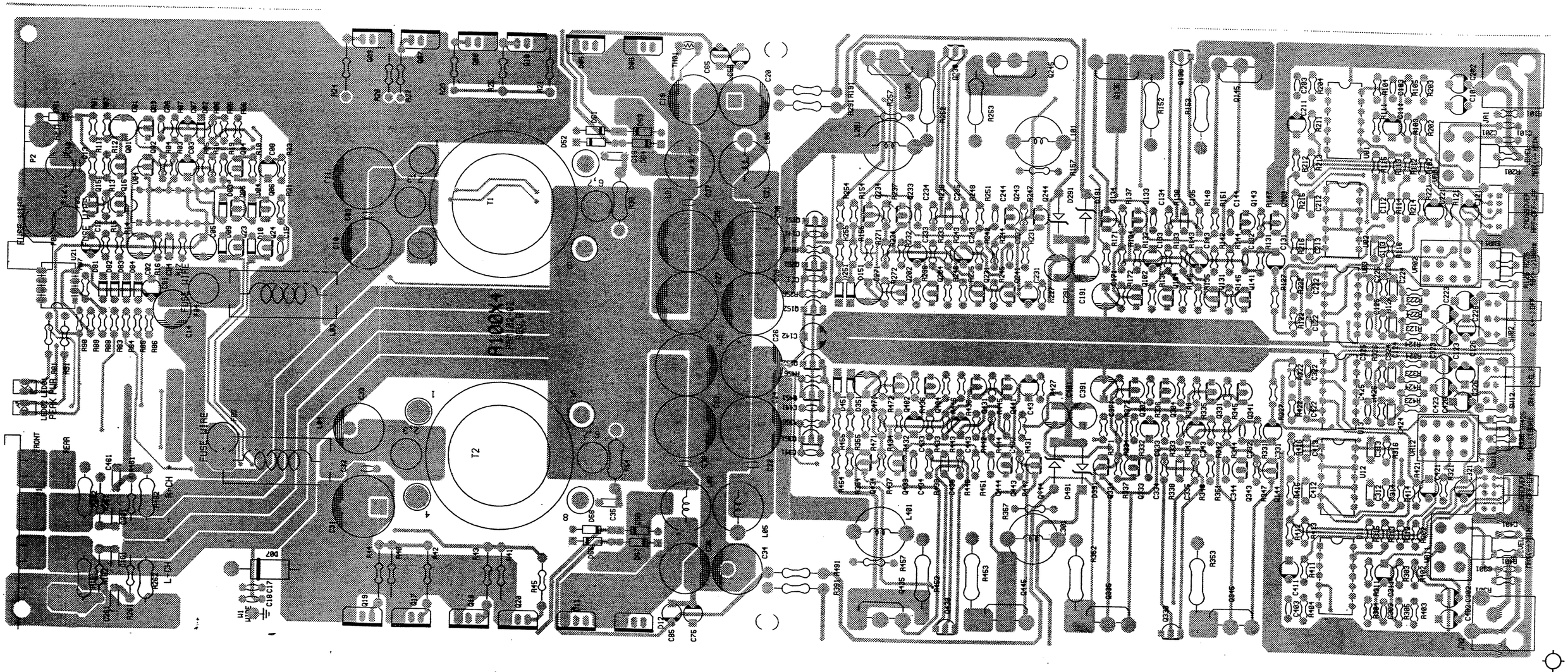
PRINTED CIRCUIT BOARD (FOR A100x4)

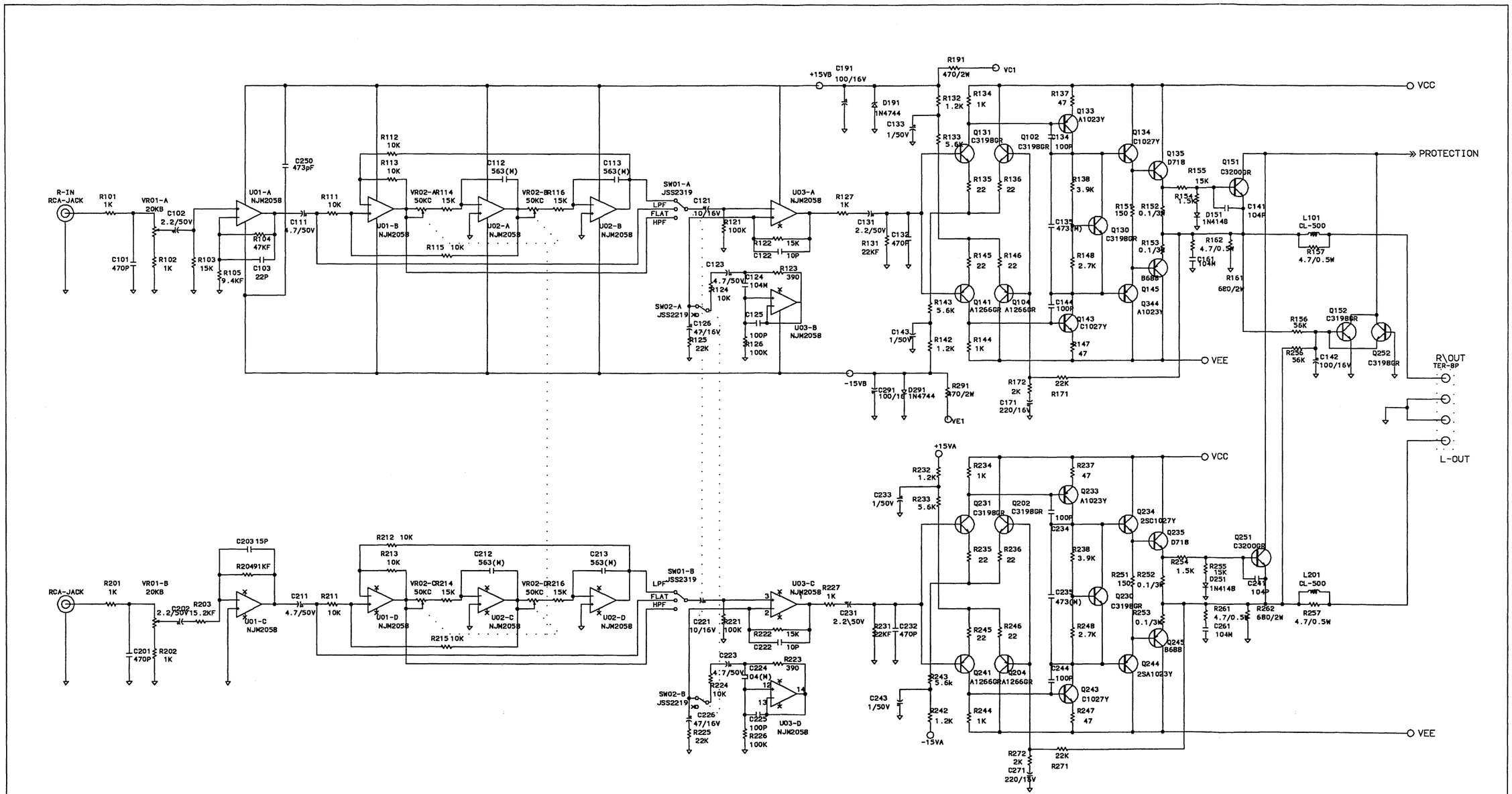
TOP VIEW



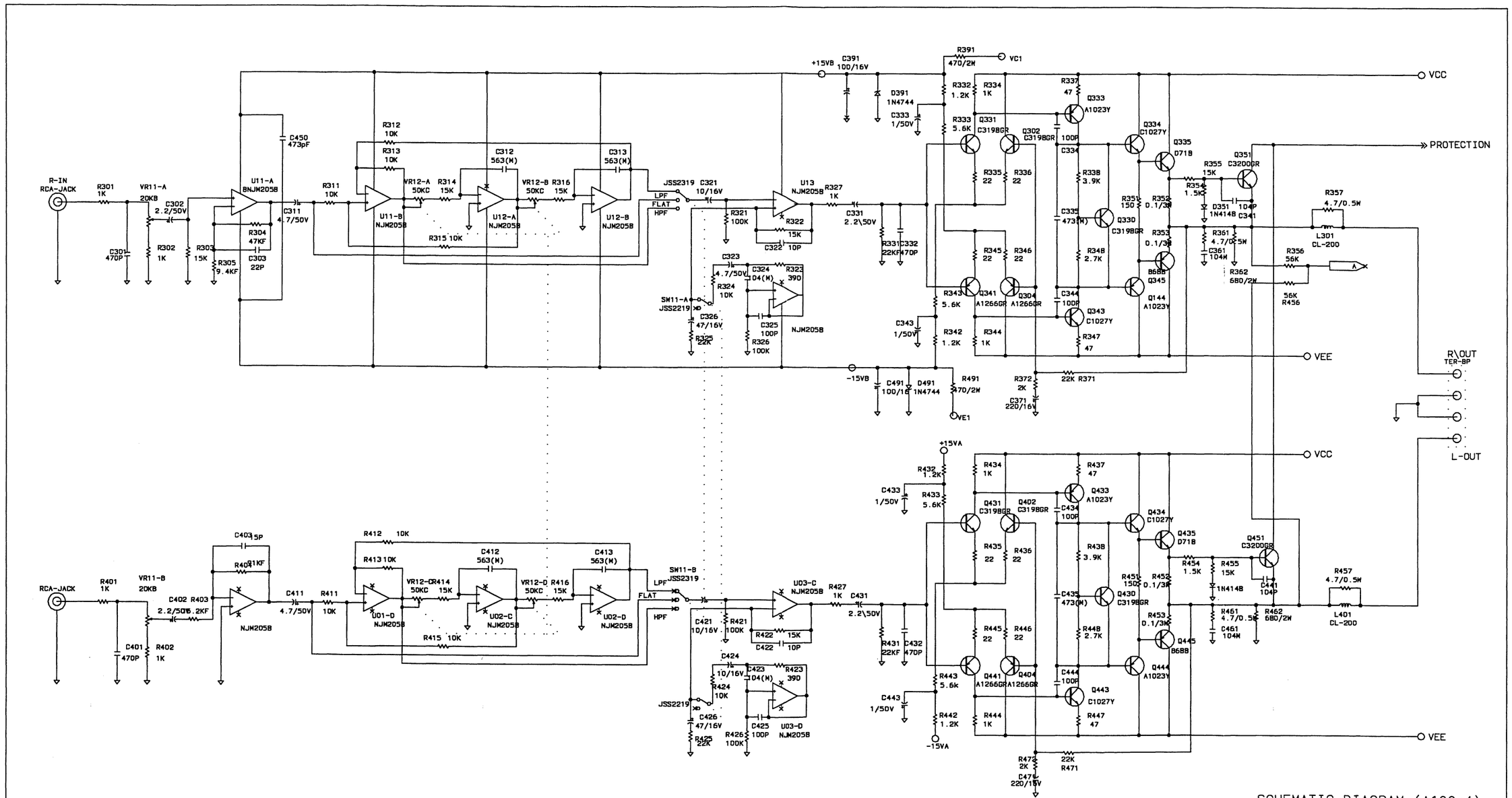
PRINTED CIRCUIT BOARD (FOR A100x4)

BOTTOM VIEW

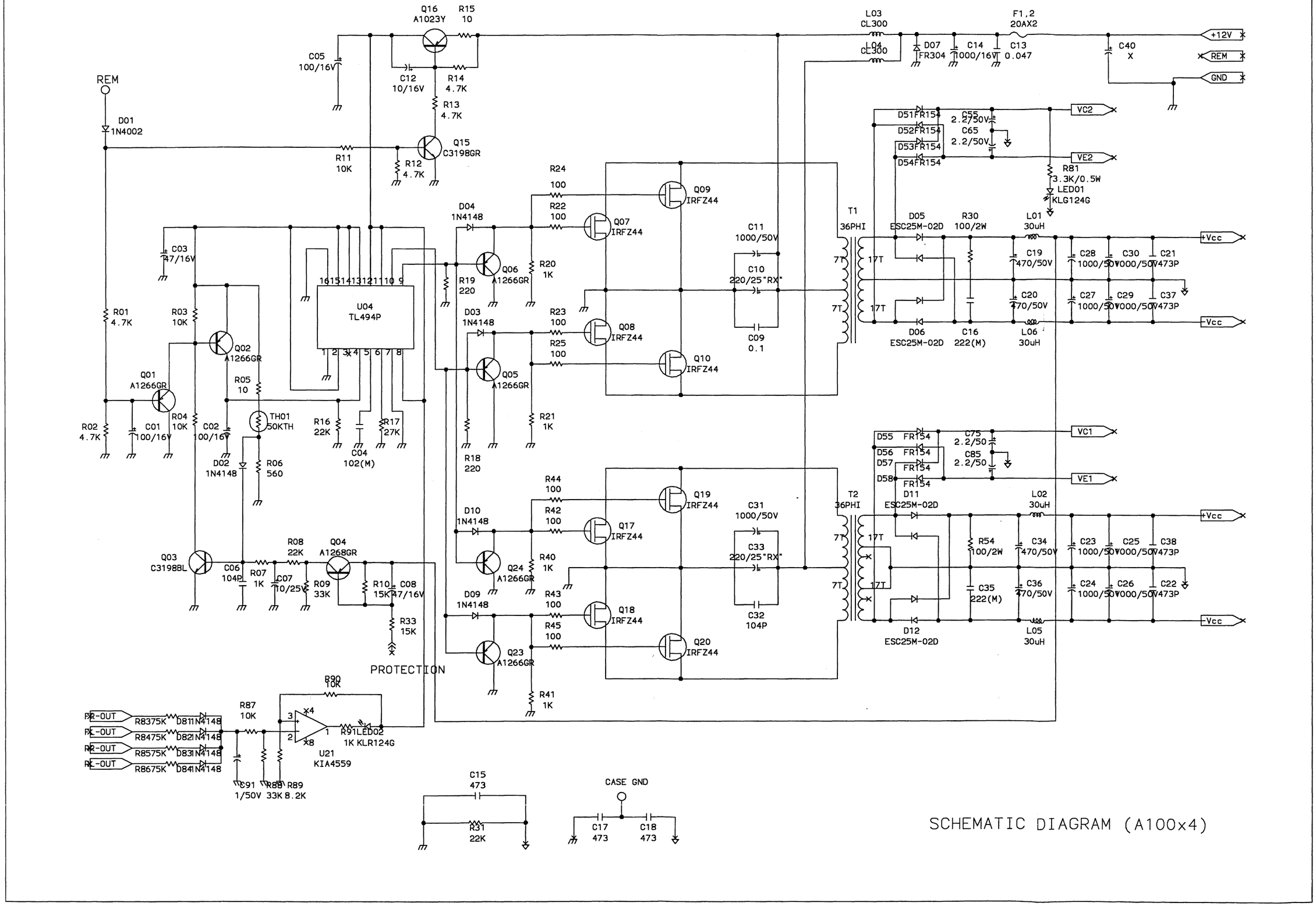




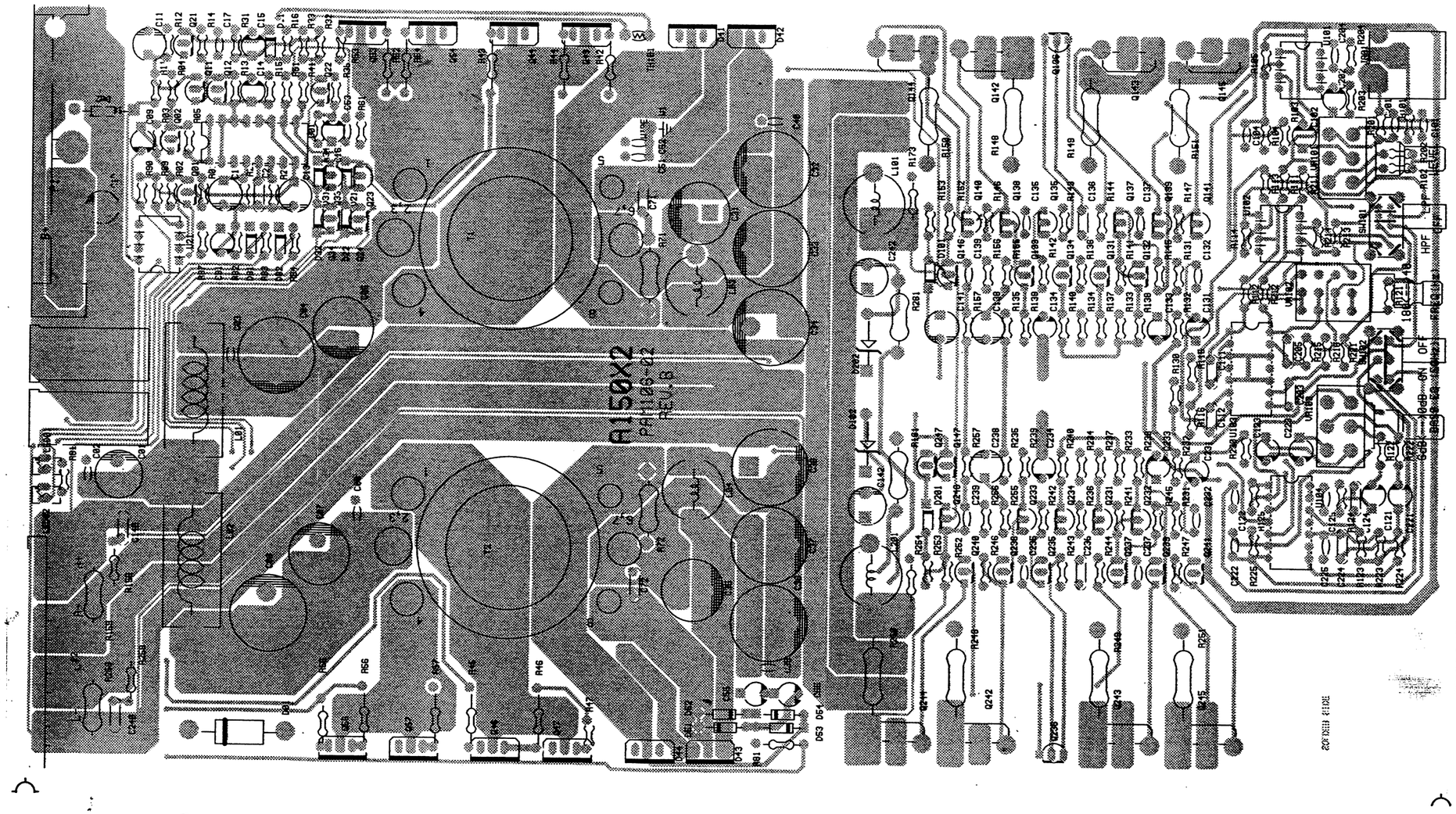
SCHEMATIC DIAGRAM (A100x4)



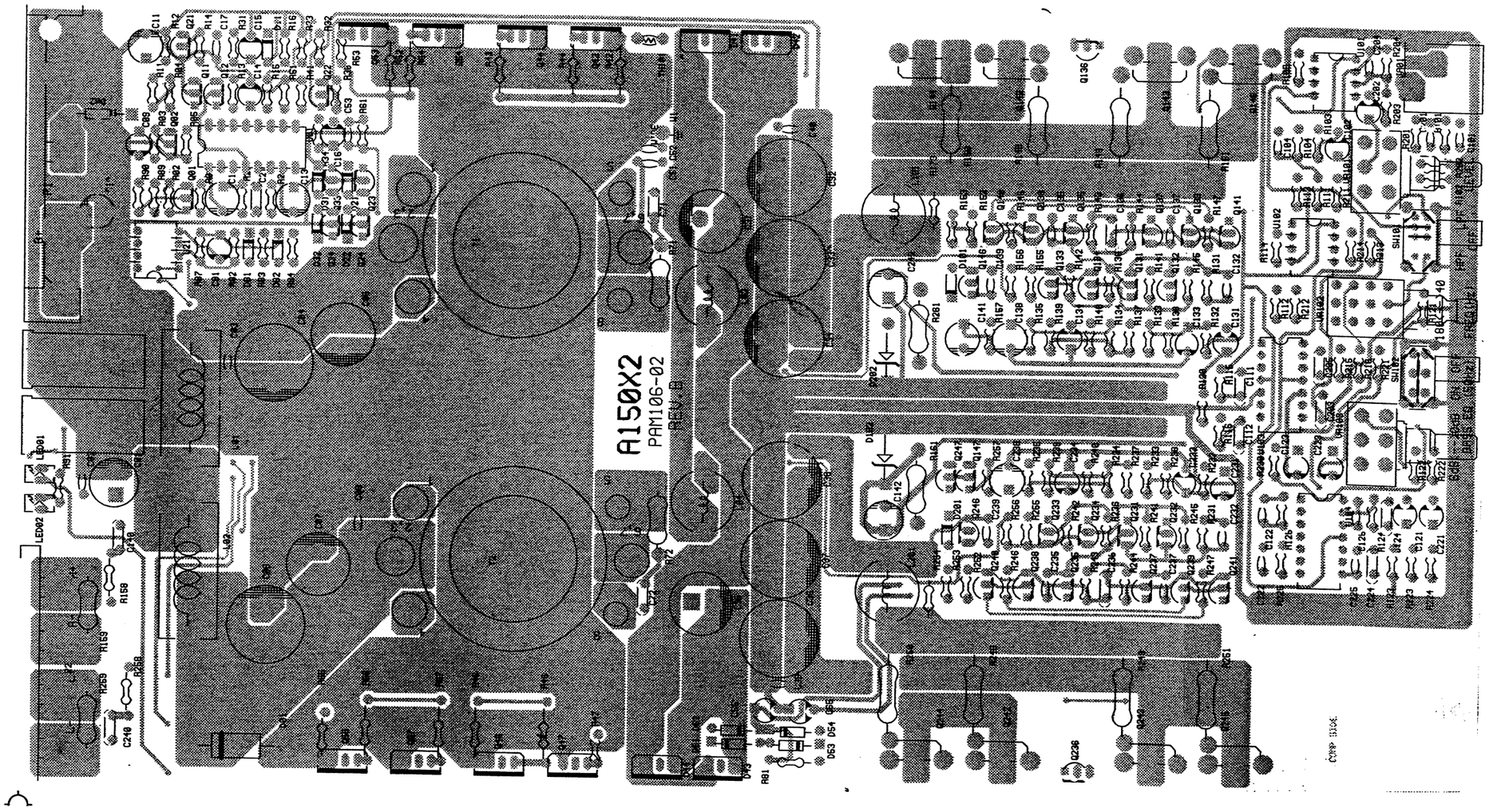
SCHEMATIC DIAGRAM (A100x4)

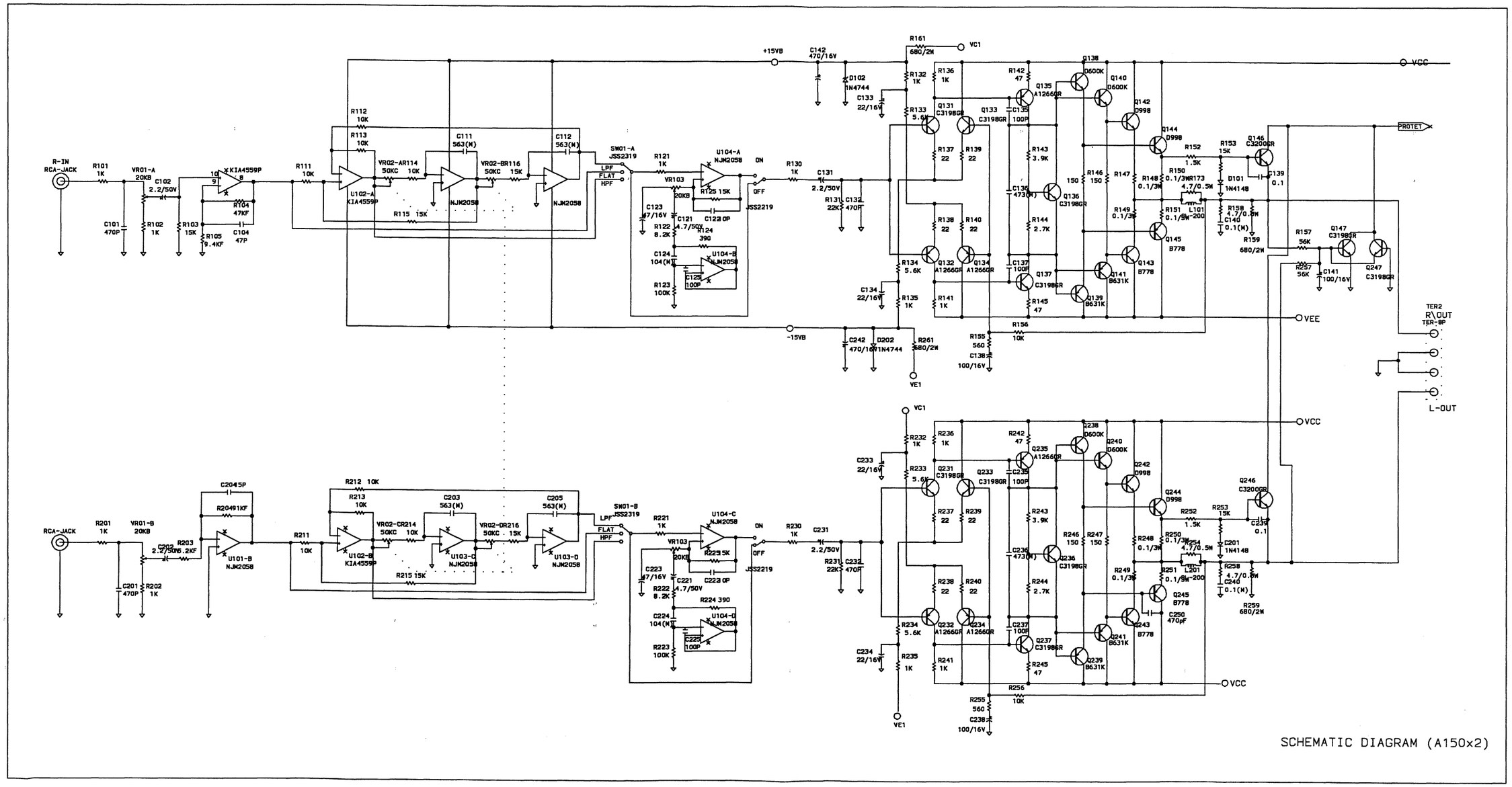

REM
D01
1N4002
R11
10K
Q16
A1023Y
R15
10
C05
100/16V
C12
10/16V
R14
4.7K
R13
4.7K
Q15
C3198GR
R12
4.7K
L03
CL300
L04
CL300
D07
FR304
C14
1000/16V
F1,2
20AX2
C13
0.047
C40
X
+12V
REM
GND
D51FR154
D52FR154
D53FR154
D54FR154
C55
2.2/50V
C65
2.2/50V
VC2
VE2
R81
3.3K/0.5W
LED01
KLG124G
T1
36PHI
D05
ESC25M-02D
R30
100/2W
L01
30uH
+Vcc
C19
470/50V
C28
1000/50V
C30
1000/50V
C21
473P
C20
470/50V
C27
1000/50V
C29
1000/50V
C37
473P
-Vcc
D06
ESC25M-02D
C16
222(M)
L06
30uH
C11
1000/50V
C10
220/25"RX"
C09
0.1
R24
100
R22
100
Q09
IRFZ44
Q07
IRFZ44
D04
1N4148
Q06
1266GR
R19
220
R20
1K
C03
47/16V
U04
TL494P
16151413121110 9
1 2 3 4 5 6 7 8
R01
4.7K
R03
10K
Q02
1266GR
Q01
A1266GR
R05
10
R02
4.7K
C01
100/16V
R04
10K
C02
100/16V
TH01
50KTH
R16
22K
C04
102(M)
R17
27K
D02
1N4148
R06
560
D03
1N4148
R23
100
R25
100
Q08
IRFZ44
Q10
IRFZ44
Q05
1266GR
R18
220
R21
1K
R44
100
R42
100
Q19
IRFZ44
Q17
IRFZ44
D10
1N4148
Q24
A1266GR
R40
1K
C31
1000/50V
C33
220/25"RX"
C32
104P
T2
36PHI
D55 FR154
D56 FR154
D57 FR154
D58 FR154
D11
ESC25M-02D
C75
2.2/50
C85
2.2/50
VC1
VE1
L02
30uH
R54
100/2W
C34
470/50V
C23
1000/50V
C25
1000/50V
C38
473P
C35
222(M)
C36
470/50V
C24
1000/50V
C26
1000/50V
C22
473P
D12
ESC25M-02D
L05
30uH
R43
100
R45
100
Q18
IRFZ44
Q20
IRFZ44
D09
1N4148
Q23
A1266GR
R41
1K
Q03
C3198BL
C06
104P
R07
1K
R08
22K
Q04
A1268GR
C07
10/25V
R09
33K
R10
15K
C08
47/16V
R33
15K
PROTECTION
R90
10K
R87
10K
RR-OUT
R8375K
D811N4148
RL-OUT
R8475K
D821N4148
RR-OUT
R8575K
D831N4148
RL-OUT
R8675K
D841N4148
U21
KIA4559
R91LED02
1K KLR124G
C91
1/50V
R88
33K
R89
8.2K
C15
473
R31
22K
CASE GND
C17
473
C18
473
SCHEMATIC DIAGRAM (A100x4)

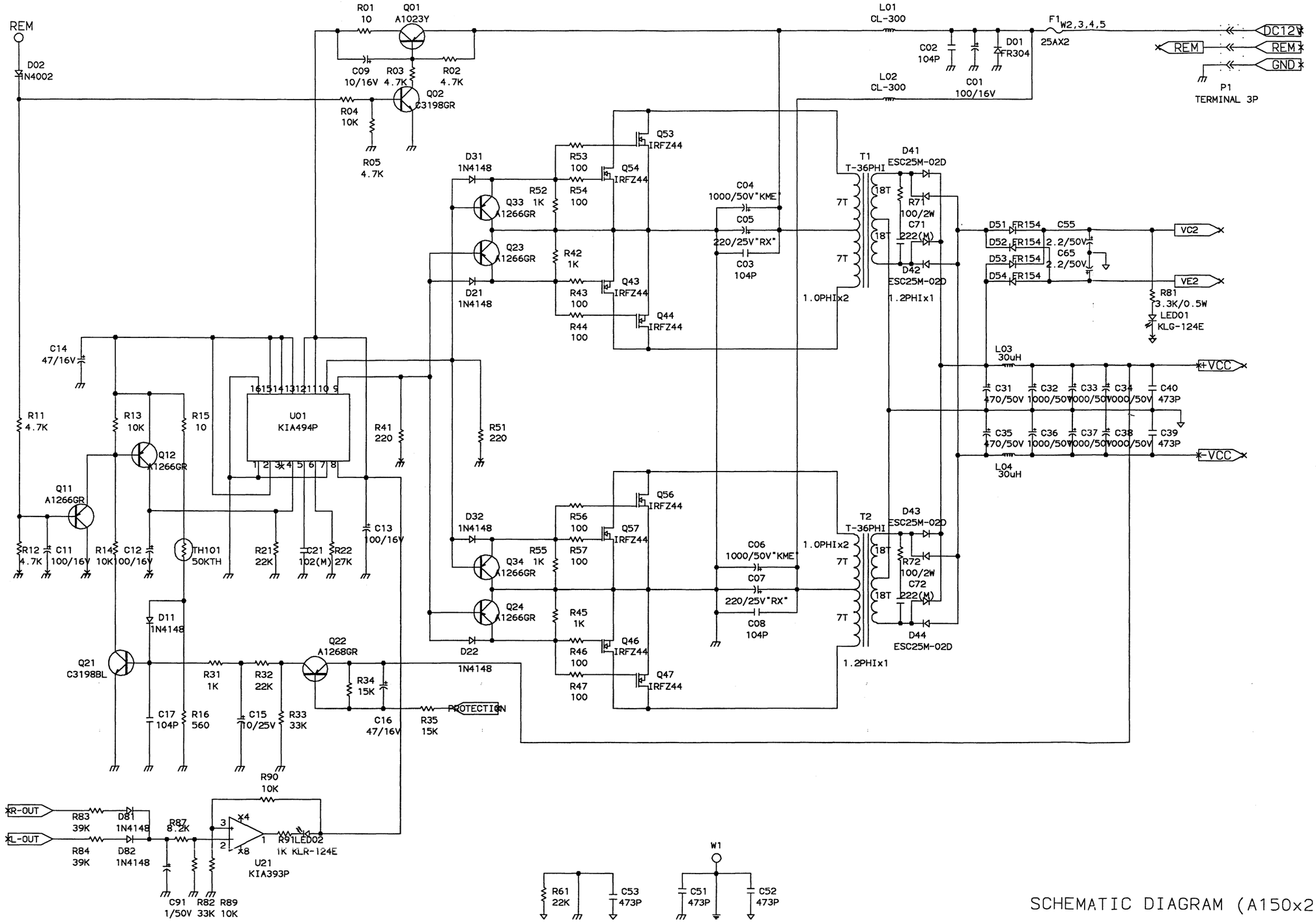
PRINTED CIRCUIT BOARD (FOR A150x2)
BOTTOM VIEW



PRINTED CIRCUIT BOARD (FOR A150x2)
TOP VIEW

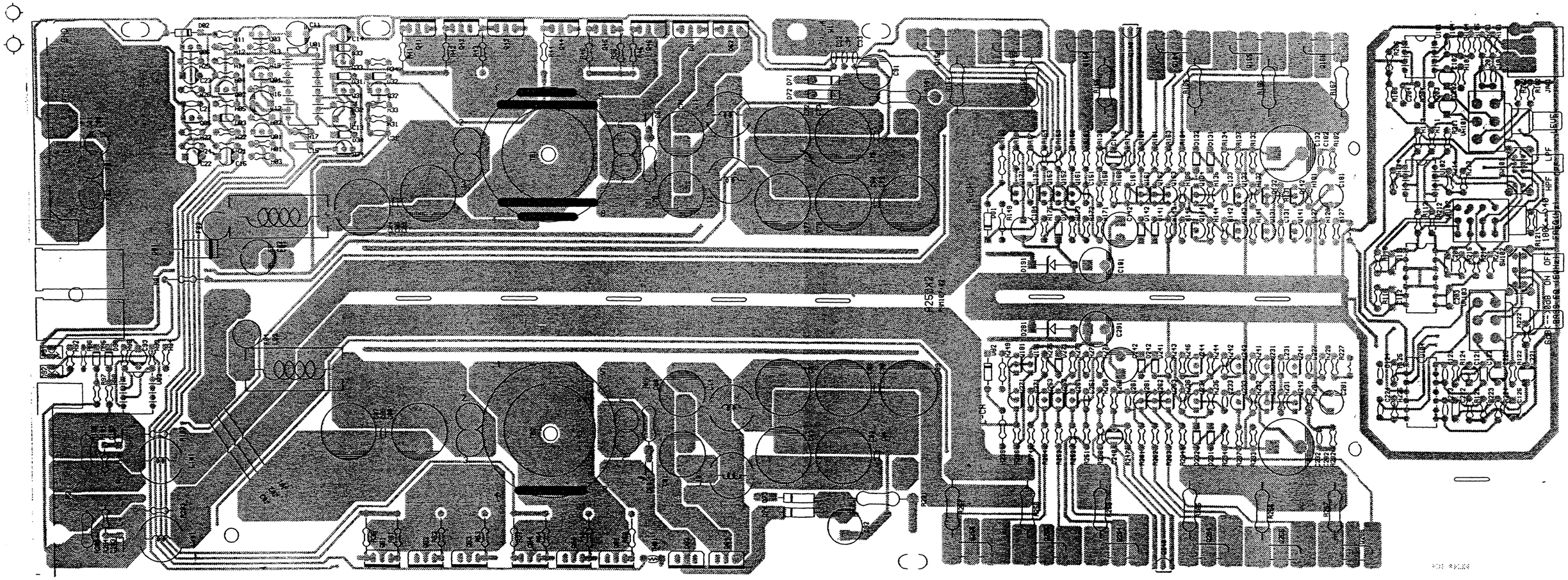



R-IN
RCA-JACK
R101 1K
VR01-A 20KB
C102 2.2/50V
C101 470P
R102 1K
R103 15K
R105 9.4KF
R104 47KF
C104 47P
KIA4559P
U102-A KIA4559P
R111 10K
R112 10K
R113 10K
VR02-AR114 50KC 10K
C111 563(M)
VR02-BR116 50KC 15K
C112 563(M)
R115 15K
NJM2058
SW01-A JSS2319
LPF
FLAT
HPF
R121 1K
VR103 20KB
R125 15K
C123 47/16V
C121 4.7/50V
C122 OP
R122 8.2K
R124 390
C124 104(M)
C125 100P
R123 100K
U104-A NJM2058
U104-B NJM2058
ON
OFF
JSS2219
R130 1K
C131 2.2/50V
R131 22K
C132 470P
+15VB
-15VB
C142 470/16V
D102 1N4744
C133 22/16V
R161 680/2W
VC1
R132 1K
R133 5.6K
R136 1K
R137 22
R139 22
R138 22
R140 22
R134 5.6K
C134 22/16V
R135 1K
R141 1K
C242 470/16V
D202 1N4744
R261 680/2W
VE1
Q131 C3198GR
Q133 C3198GR
Q132 A1266GR
Q134 A1266GR
R142 47
R143 3.9K
R144 2.7K
R145 47
C135 100P
C136 473(M)
C137 100P
Q135 A1266GR
Q136 C3198GR
Q137 C3198GR
Q138 D600K
Q139 B631K
Q140 D600K
Q141 B631K
Q142 D998
Q143 B778
Q144 D998
Q145 B778
R146 150
R147 150
R148 0.1/3W
R149 0.1/3W
R150 0.1/3W
R151 0.1/3W
R173 4.7/0.5W
L101 1UH-200
R152 1.5K
R153 15K
D101 1N4148
R158 4.7/0.5W
C140 0.1(M)
R159 680/2W
Q146 C3200GR
C139 0.1
R157 56K
R257 56K
C141 100/16V
Q147 C3198GR
Q247 C3198GR
PROTET
VCC
VEE
TER2
R\OUT
TER-8P
L-OUT
R155 560
C138 100/16V
R156 10K
C2045P
R20491KF
U101-B NJM2058
R201 1K
VR01-B 20KB
C202 2.2/50V
C201 470P
R202 1K
R203 5.2KF
R211 10K
R212 10K
R213 10K
VR02-CR214 50KC 10K
C203 563(M)
VR02-DR216 50KC 15K
C205 563(M)
R215 15K
U102-B KIA4559P
U103-C NJM2058
U103-D NJM2058
SW01-B JSS2319
R221 1K
VR103 20KB
R225 15K
C223 47/16V
C221 4.7/50V
C223 OP
R222 8.2K
R224 390
C224 104(M)
C225 100P
R223 100K
U104-C NJM2058
U104-D NJM2058
R230 1K
C231 2.2/50V
R231 22K
C232 470P
C233 22/16V
R232 1K
R233 5.6K
R236 1K
R237 22
R239 22
R238 22
R240 22
R234 5.6K
C234 22/16V
R235 1K
R241 1K
C238 100/16V
R242 47
R243 3.9K
R244 2.7K
R245 47
C235 100P
C236 473(M)
C237 100P
Q231 C3198GR
Q233 C3198GR
Q232 A1266GR
Q234 A1266GR
Q235 A1266GR
Q236 C3198GR
Q237 C3198GR
Q238 D600K
Q239 B631K
Q240 D600K
Q241 B631K
Q242 D998
Q243 B778
Q244 D998
Q245 B778
R246 150
R247 150
R248 0.1/3W
R249 0.1/3W
R250 0.1/3W
R251 0.1/3W
R254 4.7/0.5W
L201 1UH-200
R252 1.5K
R253 15K
D201 1N4148
R258 4.7/0.5W
C240 0.1(M)
R259 680/2W
Q246 C3200GR
C239 0.1
C250 470pF
R255 560
C238 100/16V
R256 10K
SCHEMATIC DIAGRAM (A150x2)

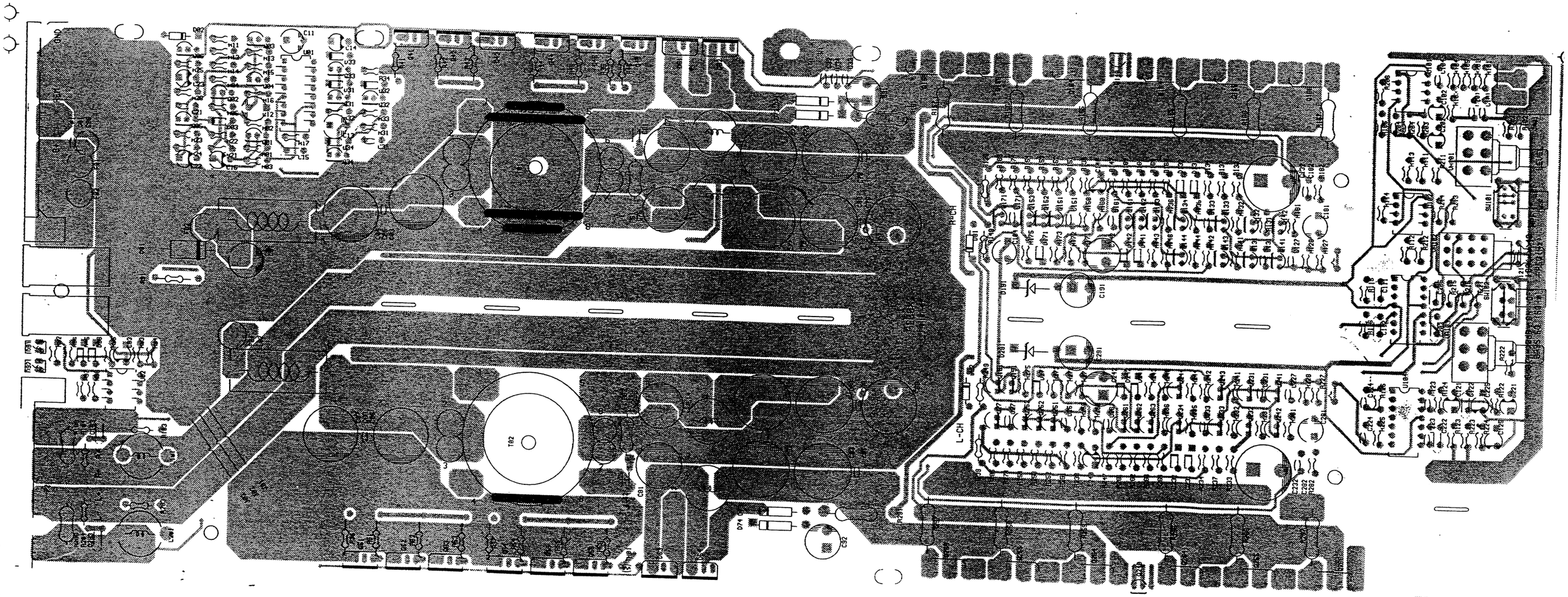

REM
D02
1N4002
R01
10
Q01
A1023Y
C09
10/16V
R03
4.7K
R02
4.7K
Q02
C3198GR
R04
10K
R05
4.7K
L01
CL-300
L02
CL-300
C02
104P
C01
100/16V
D01
FR304
F1
W2,3,4,5
25AX2
P1
TERMINAL 3P
DC12V
REM
GND
D31
1N4148
R52
Q33
A1266GR
Q23
A1266GR
D21
1N4148
R53
100
R54
100
R42
1K
R43
100
R44
100
Q53
IRFZ44
Q54
IRFZ44
Q43
IRFZ44
Q44
IRFZ44
C04
1000/50V"KME"
C05
220/25V"RX"
C03
104P
T1
T-36PHI
7T
7T
1.0PHIx2
D41
ESC25M-02D
8T
R71
100/2W
C71
222(M)
8T
D42
ESC25M-02D
1.2PHIx1
D51 FR154
D52 FR154
D53 FR154
D54 FR154
C55
2.2/50V
C65
2.2/50V
VC2
VE2
R81
3.3K/0.5W
LED01
KLG-124E
L03
30uH
+VCC
C31 470/50V
C32 1000/50V
C33 1000/50V
C34 1000/50V
C40 473P
C35 470/50V
C36 1000/50V
C37 1000/50V
C38 1000/50V
C39 473P
-VCC
L04
30uH
C14
47/16V
R11
4.7K
R13
10K
R15
10
Q12
A1266GR
Q11
A1266GR
U01
KIA494P
R41
220
R51
220
C13
100/16V
R12 4.7K
C11 100/16V
R14 10K
C12 100/16V
TH101
50KTH
R21
22K
C21 102(M)
R22 27K
D11
1N4148
Q21
C3198BL
R31
1K
R32
22K
Q22
A1268GR
R34
15K
C17 104P
R16 560
C15 10/25V
R33 33K
C16
47/16V
R35
15K
PROTECTION
R90
10K
R-OUT
L-OUT
R83
39K
D81
1N4148
R84
39K
D82
1N4148
R87
8.2K
X4
X8
R91LED02
1K KLR-124E
U21
KIA393P
C91
1/50V
R82
33K
R89
10K
D32
1N4148
R55
Q34
A1266GR
Q24
A1266GR
D22
1N4148
R56
100
R57
100
R45
1K
R46
100
R47
100
Q56
IRFZ44
Q57
IRFZ44
Q46
IRFZ44
Q47
IRFZ44
C06
1000/50V"KME"
C07
220/25V"RX"
C08
104P
T2
T-36PHI
1.0PHIx2
7T
7T
1.2PHIx1
D43
ESC25M-02D
8T
R72
100/2W
C72
222(M)
8T
D44
ESC25M-02D
W1
R61
22K
C53
473P
C51
473P
C52
473P
SCHEMATIC DIAGRAM (A150x2)

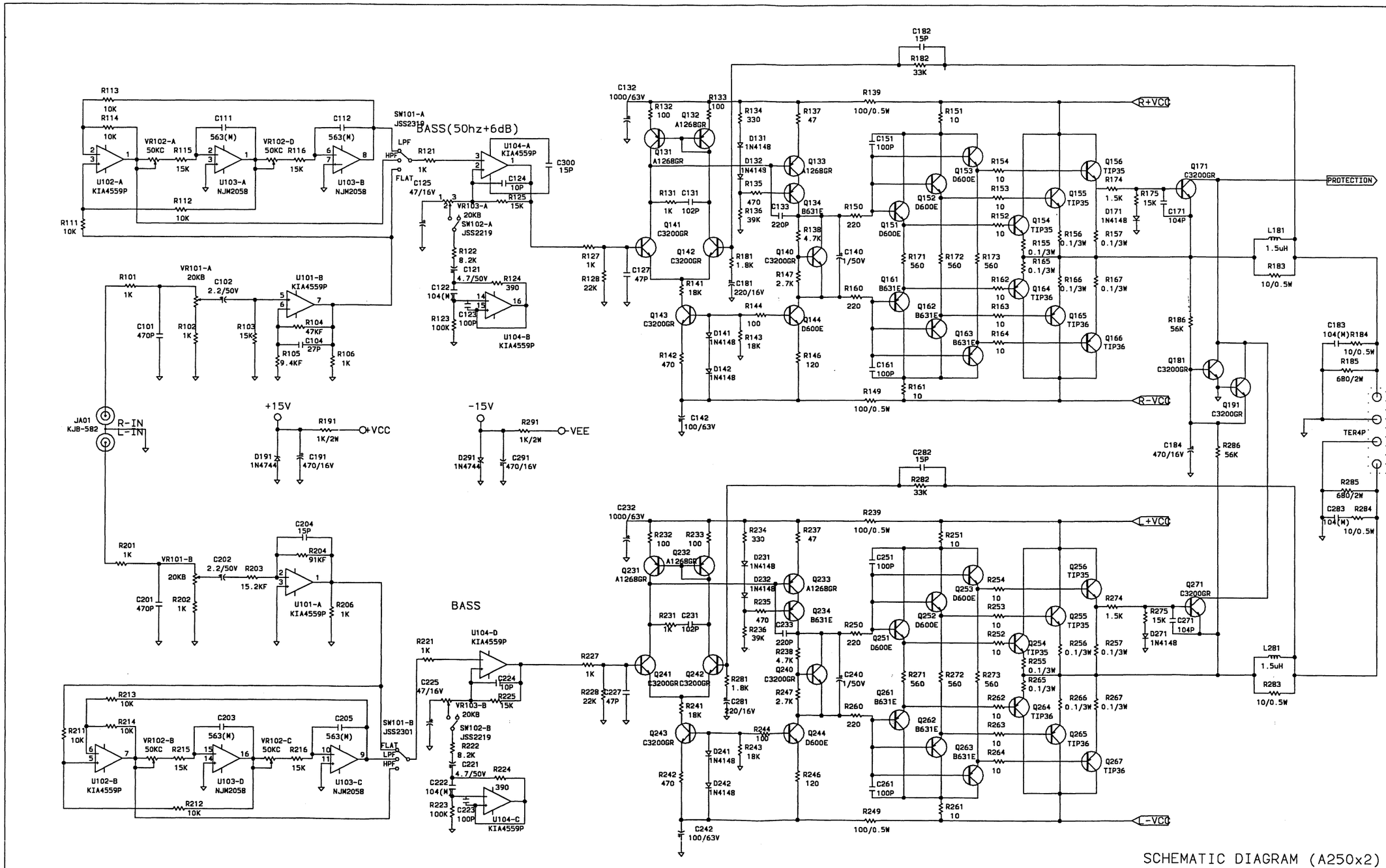
PRINTED CIRCUIT BOARD (FOR A250x2)

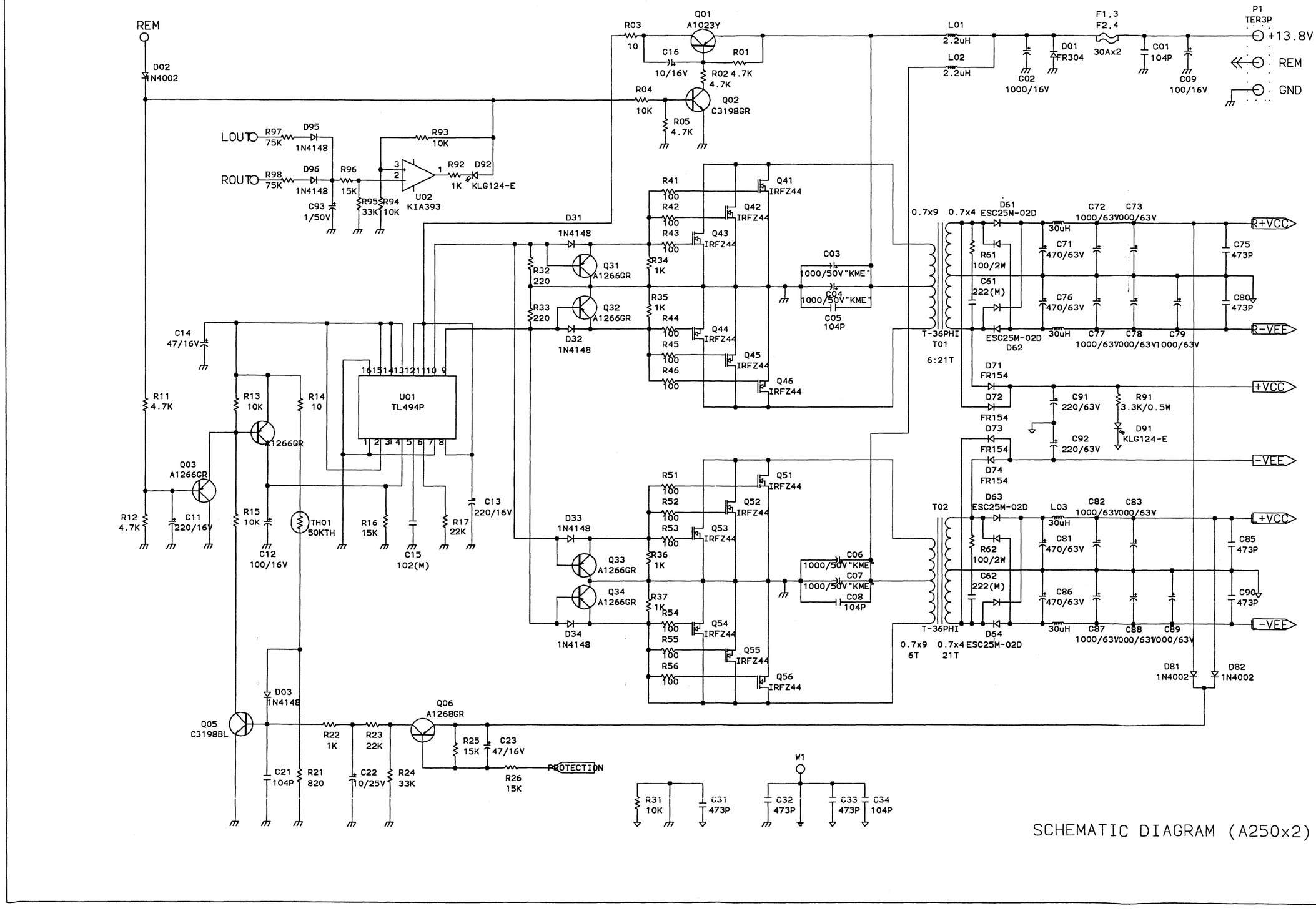
TOP VIEW



PRINTED CIRCUIT BOARD (FOR A250x2)
BOTTOM VIEW




BASS(50hz+6dB)
BASS
SW101-A JSS2319
LPF
HPF
FLAT
SW101-B JSS2301
SW102-A JSS2219
SW102-B JSS2219
VR101-A 20KB
VR101-B 20KB
VR102-A 50KC
VR102-B 50KC
VR102-C 50KC
VR102-D 50KC
VR103-A 20KB
VR103-B 20KB
U101-A KIA4559P
U101-B KIA4559P
U102-A KIA4559P
U102-B KIA4559P
U103-A NJM2058
U103-B NJM2058
U103-C NJM2058
U103-D NJM2058
U104-A KIA4559P
U104-B KIA4559P
U104-C KIA4559P
U104-D KIA4559P
JA01 KJB-582
R-IN
L-IN
+15V
-15V
+VCC
-VEE
R+VCC
R-VCC
+VCC
-VCC
PROTECTION
R+
R-
L+
L-
TER4P
A1268GR
C3200GR
B631E
D600E
TIP35
TIP36
SCHEMATIC DIAGRAM (A250x2)



SCHEMATIC DIAGRAM (A250x2)

SHERWOOD MODEL : A250X2

	NOMENCLATURE	DESCRIPTION	MFR PARTS	SHERWOOD PART NO.
142	MANUAL			
143	MANUAL			
144	BAR CODE	BOTTOM		
145	BAR CODE	GIFT		
146	BAR CODE	CARTON		
147	STICKER	MADE IN KOREA		
148	SILICAGEL	3G		
149	BAR SOLDER			
150	WIRE SOLDER			
151	LOCK TIGHT			
152	SCOTCH TAPE			
153	OPP TAPE			